

Air Quality in Ontario 2001
Appendix

Ministry of the
Environment

Acknowledgements

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TABLE OF CONTENTS

	Page #
Introduction.....	i
Monitoring Network Operations.....	i
Network Descriptive Tables and Annual Statistics.....	iii
Table 1 Ontario Continuous Air Monitoring Network for 2001.....	1
Table 2 Ontario Noncontinuous Air Monitoring Network for 2001.....	5
Table 3 Ontario Air Monitoring Network for PM ₁₀ 24-Hour Sampling for 2001.....	8
Table 4 Ontario Meteorological Network for 2001.....	10
Table 5 Ozone (O ₃) Statistics (2001).....	12
Table 6 Fine Particulate Matter (PM _{2.5}) Statistics (2001).....	14
Table 7 Inhalable Particles (PM ₁₀) Statistics (2001).....	15
Table 8 Suspended Particles (SP) Statistics (2001).....	16
Table 9 Nitric Oxide (NO) Statistics (2001).....	17
Table 10 Nitrogen Dioxide (NO ₂) Statistics (2001).....	18
Table 11 Nitrogen Oxides (NO _x) Statistics (2001).....	20
Table 12 Carbon Monoxide (CO) Statistics (2001).....	21
Table 13 Sulphur Dioxide (SO ₂) Statistics (2001).....	22
Table 14 Total Reduced Sulphur (TRS) Statistics (2001).....	24

Table 15	Mercury (Hg) Statistics (2001).....	25
Table 16	10-Year Trend for O ₃	26
Table 17	10-Year Trend for SP (as measured by COH).....	27
Table 18	10-Year Trend for NO.....	28
Table 19	10-Year Trend for NO ₂	29
Table 20	10-Year Trend for NO _x	30
Table 21	10-Year Trend for CO.....	31
Table 22	10-Year Trend for SO ₂	32
Table 23	10-Year Trend for TRS.....	33
Table 24	Stations Used in Gaseous Trends.....	34
Table 25	Total Suspended Particulate (TSP) Statistics (2001).....	35
Table 26	Cadmium (Cd) in TSP Statistics (2001).....	37
Table 27	Chromium (Cr) in TSP Statistics (2001).....	38
Table 28	Copper (Cu) in TSP Statistics (2001).....	39
Table 29	Iron (Fe) in TSP Statistics (2001).....	40
Table 30	Manganese (Mn) in TSP Statistics (2001).....	41
Table 31	Nickel (Ni) in TSP Statistics (2001).....	42
Table 32	Lead (Pb) in TSP Statistics (2001).....	43
Table 33	Vanadium (V) in TSP Statistics (2001).....	44
Table 34	Nitrate (NO ₃ ⁻) in TSP Statistics (2001).....	45
Table 35	Sulphate (SO ₄ ²⁻) in TSP Statistics (2001).....	45

Table 36	Inhalable Particles (PM ₁₀) 24-Hour Statistics (2001).....	46
Table 37	Copper (Cu) in PM ₁₀ Statistics (2001).....	47
Table 38	Iron (Fe) in PM ₁₀ Statistics (2001).....	48
Table 39	Manganese (Mn) in PM ₁₀ Statistics (2001).....	49
Table 40	Lead (Pb) in PM ₁₀ Statistics (2001)	50
Table 41	Chromium (Cr) in PM ₁₀ Statistics (2001)	51
Table 42	Cadmium (Cd) in PM ₁₀ Statistics (2001)	52
Table 43	Vanadium (V) in PM ₁₀ Statistics (2001)	53
Table 44	Nickel (Ni) in PM ₁₀ Statistics (2001)	54
Table 45	Calcium (Ca) in PM ₁₀ Statistics (2001)	55
Table 46	Zinc (Zn) in PM ₁₀ Statistics (2001)	56
Table 47	Sulphate (SO ₄ ²⁻) in PM ₁₀ Statistics (2001).....	57
Table 48	List of Volatile Organic Compounds (VOCs).....	58
Table 49	VOC Annual Statistics at Egbert (2001).....	59
Table 50	VOC Annual Statistics at Hamilton (2001).....	63
Table 51	VOC Annual Statistics at Ottawa (2001).....	68
Table 52	VOC Annual Statistics at Sarnia (2001).....	73
Table 53	VOC Annual Statistics at Simcoe (2001).....	78
Table 54	VOC Annual Statistics at Stouffville (2001).....	83
Table 55	VOC Annual Statistics at Windsor (2001).....	88
Map 1	Locations of Continuous Air Monitoring Stations in Ontario (2001).....	93

Map 2	Locations of Noncontinuous Air Monitoring Stations in Ontario (2001).....	94
Map 3	Locations of Meteorological Stations in Ontario (2001).....	95

INTRODUCTION

This appendix is intended for use in conjunction with the 2001 Annual Air Quality in Ontario report. The first section of the Appendix briefly describes the provincial air monitoring network, quality assurance and quality control procedures and the Ministry of the Environment air quality database. The second part of the Appendix includes a series of tables displaying station locations and a listing of the summary statistics including means, maxima, percentile values and the number of exceedances of the Ontario ambient air quality criteria for each pollutant.

MONITORING NETWORK OPERATIONS

Network Description

In 1971, the provincial air monitoring network consisted of 254 instruments. Of those, 166 were continuous analyzers located at 76 monitoring sites and 88 sites were with high-volume samplers. By 1980, the provincial network had reached its maximum size of 450 instruments of which 268 were continuous analyzers located at 106 sites and 182 high-volume samplers. In 2001 the network comprised of 236 continuous monitoring instruments at 80 sites, 50 high-volume samplers, 27 daily PM₁₀ samplers and 39 real-time PM_{10/2.5} monitors.

Over 50 per cent of all air monitoring performed by the ministry is source-specific. The Operations Division of the Ministry of the Environment was primarily responsible for the operation of these sites in 2001. For the most part, the operation of the monitoring stations and the collection of air samples is conducted by the regional staff.

During 2001, the Environmental Monitoring and Reporting Branch operated the Greater Toronto Area ambient stations and the mobile air monitoring units. The monitoring networks are classified by their functions: continuous air monitoring; noncontinuous sampling; meteorological; and mobile air monitoring.

Ministry regional boundaries and the locations of air monitoring sites of continuous, noncontinuous and meteorological networks are illustrated in Maps 1-3.

Quality Assurance and Quality Control

Day to day air monitoring and maintenance of the instruments is administered by staff of the Environmental Monitoring and Reporting Branch and staff of the Operations Division. Air monitoring technicians audit the instruments on a daily basis, by using a computerized telephone link to confirm the automatic zero and span values - a known value for a particular gas.

The air monitoring technicians consistently inspect and maintain monitoring equipment and stations. Should an instrument undergo major servicing, the Instrumentation and Quality Assurance Unit will conduct a re-calibration of the instrument. Portable calibration equipment is used by regional staff and is re-calibrated at least twice per year.

Other monitoring programs, such as those operated by the Samia-Lambton Environmental Association, Environment Canada and Ontario Power Generation, collaborate with the ministry in auditing procedures and comparative activities. Data from these programs and provincial monitoring sites are used to determine the status of provincial air quality.

The Environmental Monitoring and Reporting Branch operates a laboratory with gas reference standards that adhere to those of the U.S. National Institute of Standards and Technology (NIST) and the Pollution Measurement Division of Environment Canada. Performance audits are conducted on the sulphur dioxide, nitrogen oxides/nitrogen dioxide, ozone and total reduced sulphur (as hydrogen sulphide) monitors approximately three times per year. Performance audits are conducted twice a year for $PM_{10/2.5}$ monitors and once a year on carbon monoxide monitors. Chemical analyses performed by the Laboratory Services Branch are also subject to quality assurance and control.

The Ontario ambient air quality monitoring network undergoes constant maintenance to ensure a high standard of quality control. Continuous real-time and particulate data are consistently reviewed, assessed, and validated by regional staff and staff of the Environmental Monitoring and Reporting Branch. Immediate actions are taken to correct any inconsistencies that may affect the validity of the data. These measures ensure ambient air monitoring data are valid, complete, comparable, representative and accurate.

In 2001, continuous air monitoring instruments were given 719 performance audits. Approximately 90.2 per cent of the audits were found to be consistent with the acceptable performance criterion, i.e. measured values were within 10 per cent of the standard. For the remaining 9.8 per cent, which fell outside the 10 per cent range, station log records and backup charts were consulted to adjust the data to reflect true ambient concentrations. As a result, the continuous network for 2001 had 92 per cent valid data from over 3 million data points.

Data Base

The ambient air quality data used in this report are stored in the ministry's air quality information system (AQUIS). Over 3 million air pollution measurements are added to AQUIS annually, with the vast majority representing Ontario's more heavily populated urban areas.

A statistical pattern test is used to identify data anomalies, such as unusual pollutant concentrations. Each pollutant has a predetermined concentration range based on historical data. Values outside this range are flagged for further investigation.

AQUIS data are divided into two major groupings: continuous (1-hour) measurements and daily (24-hour) measurements. Hourly data are obtained from automated ambient air monitoring instruments that operate continuously. These produce an average measurement for every hour for a possible total of 8760 measurements in a given year. Hourly parameters measured include O_3 , $PM_{2.5}$, PM_{10} , SP (measured as COH), $NO/NO_2/NO_x$, CO, SO_2 , TRS compounds and Hg. A valid annual mean requires at least 5840 hourly readings or 67 per cent valid data. The network typically yields

approximately 92 per cent valid data.

The instruments that provide daily measurements from a 24-hour sampling period are usually operated on three or six-day sampling cycles. They measure TSP, PM_{10} , lead (Pb), various trace metals, sulphate (SO_4^{2-}) and nitrate (NO_3^-). Daily data requires a valid annual mean to be at least two thirds of the total number of possible samples, i.e., a station operating on a 6-day sampling schedule would require at least 40 out of a possible 61 samples.

To be included in the 10-year trend analysis, a site must have valid annual means for a minimum of 8 years in the 10-year period from 1992-2001.

NETWORK DESCRIPTIVE TABLES AND ANNUAL STATISTICS

The complete continuous (hourly) network is summarized in Table 1 and Map 1. The table displays the station name, numerical identifier, and pollutants measured. The numerical identifier is the station (ID) number, the first digit of which identifies the geographic region in which the station is located.

The column headings for the continuous pollutants are as follows:

O_3	(ozone)
$PM_{2.5}$	(real-time fine particulate matter)
PM_{10}	(real-time inhalable particles)
SP	(suspended particles as measured by the Coefficient of Haze)
NO	(nitric oxide)
NO_2	(nitrogen dioxide)
NO_x	(oxides of nitrogen)
CO	(carbon monoxide)
SO_2	(sulphur dioxide)
TRS	(total reduced sulphur compounds)
Hg	(mercury)
AQI	(air quality index)

The particulate (daily) network is summarized in Table 2 and Map 2. The table displays the station name, numerical identifier, and pollutants measured. Numerals indicate the monitoring cycle frequency in days. The column headings for the noncontinuous pollutants are as follows:

TSP	(total suspended particles)
Cd	(cadmium in TSP)
Cr	(chromium in TSP)
Cu	(copper in TSP)
Fe	(iron in TSP)
Mn	(manganese in TSP)
Ni	(nickel in TSP)
Pb	(lead in TSP)

V	(vanadium in TSP)
NO ₃ ⁻	(nitrate in TSP)
SO ₄ ²⁻	(sulphate in TSP)
Cl ⁻	(chlorine in TSP)
C	(carbon in TSP)

The 24-hour inhalable particle (PM₁₀) network is summarized in Table 3. This table displays the station location, parameters measured and frequency of sampling.

The meteorological network is summarized in Table 4 and Map 3. This table displays the station name, numerical identifier, meteorological parameters measured and the height of the measurements.

The 2001 statistical data for various pollutants are provided in Tables 5 through 15 and Tables 25 to 55. The stations used in the 10-year trends are listed in Table 16 and the 10-year trends are presented in Tables 17-24.

Table 1: Ontario Continuous Air Monitoring Network For 2001

CITY/TOWN	LOCATION	ID	TYPE	YR.	LAT.	LONG.	ELEV.	O ₃	PM ₁₀	SP	NO ₂	CO	SO ₂	TRS	Hg	AQI
											NO _x					
WINDSOR	WRIGHT/WATER ST.	12007	I	84	42.17	83.06	4	-	T	-	-	-	T	T	-	-
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12008	A	69	42.19	83.03	8	T	T	-	T	T	T	-	-	T
LITTLE RIVER	9725 RIVERSIDE DR. E.	12009	I	71	42.20	82.55	4	-	T	-	-	-	T	-	-	-
WINDSOR WEST	COLLEGE SOUTH ST.	12016	A	75	42.18	83.04	4	T	-	T	T	-	T	T	-	T
MERLIN	MIDDLE RD., MOE WATER PUMP STN.	13021	A	77	42.15	82.13	4	T	-	-	-	-	-	-	-	*
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	I	69	42.48	82.29	4	-	-	-	-	-	T	-	-	-
SARNIA	FRONT ST. CN TRACKS, CENTENNIAL PARK	14064	A	76	42.59	82.24	3	T	T	T	T	T	T	T	-	T
MANDAUMIN	CONCESSION RD. 26	14118	A	77	42.56	82.14	4	T	-	-	-	-	-	-	-	-
LONGWOODS	LONGWOODS CONSERVATION AUTHORITY	15009	A	83	42.52	81.28	2	T	-	-	-	-	-	-	-	-
PARKHILL	PUC BUILDING	15013	A	83	43.09	81.40	5	T	-	-	-	-	-	-	-	-
GRAND BEND	HWY 21/COUNTY RD. 83, VISITOR INFO CTR.	15020	A	91	43.20	81.44	3	T	-	-	-	-	-	-	-	*
LONDON	900 HIGHBURY AVE.	15025	A	95	42.59	81.13	4	T	T	T	T	T	T	-	-	T
TIVERTON	LOT C CONCESSION 5, VISITOR INFO CTR.	18007	A	79	44.18	81.35	5	T	T	-	-	-	-	-	-	*
SIMCOE	HWY 3/BLUE LINE RD., EXPERIMENTAL FARM	22071	A	75	42.51	80.16	4	T	T	-	T	-	T	-	-	T
NANTICOKE	CHEAPSIDE RD. (3 KM S. OF HWY 3)	22086	I	77	42.52	80.00	5	-	-	-	T	-	T	-	-	-
LONG POINT	PROVINCIAL PARK	22901	A	79	42.35	80.23	4	T	-	-	-	-	T	-	-	*
NANTICOKE	SANDUSK RD., WALPOLE S. P.S.	22904	I	79	42.50	80.02	4	-	-	-	-	-	T	T	-	-
NANTICOKE	NANTICOKE VILLAGE	22907	I	84	42.49	80.05	4	-	-	T	-	-	T	T	-	-
KITCHENER	WEST AVE. HOMEWOOD	26060	A	90	43.26	80.30	5	T	T	T	T	T	T	-	-	T
ELMIRA	UNION PARK	26070	I	99	43.33	80.30	4	-	-	-	-	-	T	T	-	-
NIAGARA REGION	ARGYLE CRES., PUMP STN.	27067	A	87	43.10	79.14	4	T	T	-	T	T	T	T	-	T
GUELPH	70 DIVISION ST., EXHIBITION PARK	28028	A	00	43.33	80.16	4	T	T	-	T	-	-	-	-	T
HAMILTON DOWNTOWN	ELGIN KELLY	29000	A	87	43.15	79.52	4	T	T	-	T	T	T	T	-	T
HAMILTON	BARTON SANFORD	29025	I	69	43.16	79.51	4	-	-	T	-	-	T	T	-	-
HAMILTON	467 BEACH BLVD.	29102	I	84	43.17	79.47	4	-	-	T	T	-	T	T	-	-
HAMILTON MOUNTAIN	VICKERS RD./EAST 18TH ST	29114	A	85	43.14	79.52	3	T	T	-	T	-	T	T	-	T
HAMILTON WEST	MAIN ST. W./HWY 403	29118	A	85	43.15	79.54	3	T	-	-	T	T	T	T	-	T
HAMILTON	PIER 25/BEACH STRIP	29547	I	92	43.16	79.46	4	-	-	T	-	-	-	-	-	-
HAMILTON	HOMESIDE II	29565	I	00	43.14	79.47	4	-	-	T	T	-	-	-	-	-
HAMILTON	NIAGARA LAND ST.	29567	I	00	43.16	79.50	3	-	-	T	T	-	-	-	-	-

Table 1: Ontario Continuous Air Monitoring Network For 2001

CITY/TOWN	LOCATION	ID	TYPE	YR.	LAT.	LONG.	ELEV.	O ₃	PM _{2.5}	PM ₁₀	SP	NO	NO ₂	CO	SO ₂	TRS	Hg	AQI
												NO _x						
TORONTO DOWNTOWN	BAY/WELLESLEY	31103	A	00	43.39	79.23	10	T	T	-	-	T	T	T	-	-	-	T
TORONTO	CN TOWER, 301 FRONT ST. W.	31190	A	89	43.35	79.23	444	T	-	-	-	T	-	-	-	-	-	-
TORONTO EAST	LAWRENCE/KENNEDY	33003	A	70	43.45	79.16	5	T	-	T	-	-	-	-	-	-	T	T
TORONTO NORTH	YONGE ST./FINCH AVE.	34020	A	88	43.47	79.25	5	T	T	-	-	T	-	-	-	-	-	T
TORONTO WEST	ELMCREST RD., CENTENNIAL PARK	35003	A	69	43.39	79.35	5	T	-	T	-	T	T	T	-	-	-	T
ETOBICOKE SOUTH	185 JUDSON ST.	35033	A	67	43.36	79.30	5	T	T	T	-	T	T	T	-	-	-	-
YORK	CLEARVIEW HEIGHTS	36030	I	88	43.42	79.29	5	T	-	-	T	T	T	T	-	-	-	-
BURLINGTON	HWY 2/NORTH SHORE BLVD. E.	44008	A	79	43.19	79.48	5	T	T	-	-	T	T	T	-	-	-	T
OAKVILLE	BRONTE RD./WOBURN CRES.	44015	A	80	43.24	79.44	5	T	-	-	T	T	T	T	-	-	-	T
OSHAWA	RITSON RD./OLIVE AVE., RITSON RD. P.S.	45025	A	79	43.53	78.51	5	T	T	-	-	T	-	-	-	-	-	T
BRAMPTON	525 MAIN ST. N., PEEL MANOR	46089	A	00	43.42	79.47	5	T	T	-	-	T	T	T	-	-	-	T
MISSISSAUGA	QUEENSWAY W./HURONTARIO ST.	46110	A	77	43.34	79.37	5	T	T	-	T	T	T	T	-	-	T	T
BARRIE	83 PERRY ST.	47045	A	01	44.24	79.42	5	T	T	-	-	T	T	T	-	-	-	-
YORK REGION	HWY 47/E. OF HWY 48	48002	A	74	43.58	79.16	5	T	-	T	-	T	-	-	-	-	-	T
NEWMARKET	EAGLE ST./McCAFFREY RD.	48006	A	01	44.03	79.30	5	T	T	-	-	T	T	T	-	-	-	-
PARRY SOUND	7 BAY ST.	49005	A	01	45.20	80.02	5	T	-	-	-	-	-	-	-	-	-	*
DORSET	HWY 117/PAINT LAKE RD.	49010	A	81	45.13	78.56	3	T	T	-	-	T	-	-	-	-	-	*
OTTAWA	RIDEAU/WURTENBURG ST.	51001	A	71	45.26	75.41	4	T	T	-	-	T	T	T	-	-	-	T
KINGSTON	133 DALTON AVE.	52020	A	88	44.14	76.31	5	T	-	-	-	-	-	-	-	-	-	T
CORNWALL	BEDFORD THIRD ST. S., MEMORIAL PARK	56051	A	70	45.01	74.44	4	T	-	-	-	-	-	-	T	-	-	T
PETERBOROUGH	10 HOSPITAL DR.	59006	A	98	44.18	78.19	5	T	T	T	-	T	-	T	-	-	-	T
DRYDEN	35 VAN HORNE AVE.	61027	I	84	49.47	92.50	15	-	-	-	-	-	-	-	-	T	-	-
FORT FRANCES	PORTAGE/CHURCH ST.	62030	I	76	48.37	93.24	4	-	-	-	-	-	-	-	-	T	-	-
FORT FRANCES	COLONIZATION RD. W., CEMETERY	62032	I	76	48.37	93.25	5	-	-	-	-	-	-	-	-	T	-	-
FORT FRANCES	EIGHTH ST./CORNWALL AVE.	62047	I	90	48.37	93.24	4	-	-	-	-	-	-	-	-	T	-	-
FORT FRANCES	ARMIT AVE./4TH ST., ROBERT MOORE P.S.	62200	I	97	48.38	93.23	3	T	-	-	-	-	-	-	-	-	-	-
MARATHON	PETER ST.	63033	I	91	48.43	86.23	4	-	-	-	-	-	-	-	-	T	-	-
THUNDER BAY	MONTREAL MOUNTDALE ST., BOMBARDIER	63046	I	76	48.21	89.18	3	-	-	-	-	-	-	-	-	T	-	-
RED ROCK	SALLS ST.	63084	I	81	48.57	88.15	7	-	-	-	-	-	-	-	-	T	-	-
TERRACE BAY	SELKIRK ST., ST. MARTIN SCHOOL	63090	I	81	48.47	87.06	8	-	-	-	-	-	-	-	-	-	-	T

RECENT CHANGES TO THE 2001 CONTINUOUS AIR MONITORING NETWORK:

Stations added to the network: Barrie (47045); Newmarket (48006); and Parry Sound (49005)

LEGEND:

ID	- Station identification number	O ₃	- Ozone	NO	- Nitric Oxide	SO ₂	- Sulphur Dioxide
TYPE	- A: ambient survey; I: source specific survey	PM _{2.5}	- Real-time Fine Particulate Matter	NO ₂	- Nitrogen Dioxide	TRS	- Total Reduced Sulphur
YR.	- Year station monitoring began	PM ₁₀	- Real-time Inhalable Particulates	NO _x	- Nitrogen Oxides	Hg	- Mercury
LAT.	- Latitude (degrees:minutes)	SP	- Suspended Particles	CO	- Carbon Monoxide	AQI	- Air Quality Index
LONG.	- Longitude (degrees:minutes)						
ELEV.	- Air intake height above ground (m)						
T	- Telemetry						
*	- Seasonal AQI site (May 1 - September 30 only)						

Table 2: Ontario Noncontinuous Air Monitoring Network For 2001

CITY/TOWN	LOCATION	ID	TYPE	YR.	LAT.	LONG.	ELEV.	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO _x	SO _x
ST. MARY'S	309 THOMAS ST.	11001	1	79	43-15	81-09	3	6	-	-	-	-	-	-	-	-	-	-
WINDSOR	WRIGHT/WATER ST.	12007	1	84	42-17	83-06	4	6	6	6	6	6	6	6	6	6	6	6
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12008	A	70	42-19	83-03	8	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	DROUILLARD RD./RICHMOND ST.	12011	1	88	42-19	83-00	5	6	6	6	6	6	6	6	6	6	-	-
WINDSOR	3665 WYANDOTTE ST. E., FILTRATION PLANT	12013	1	71	42-19	83-00	6	6	6	6	6	6	6	6	6	6	-	-
WINDSOR WEST	COLLEGE/SOUTH ST.	12016	A	75	42-18	83-04	4	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	2885 HOWARD AVE.	12038	1	78	42-17	83-01	4	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	COLUMBUS CTR.	12058	1	93	42-17	83-01	5	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	CITY YARD	12061	1	95	42-18	83-07	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	4989 WALKER RD.	12401	1	01	42-14	82-58	2	6	-	-	-	-	-	-	-	-	-	-
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	1	69	42-48	82-29	4	6	6	6	6	6	6	6	6	6	6	6
LONDON	900 HIGHBURY AVE.	15025	A	95	42-59	81-13	4	6	6	6	6	6	6	6	6	6	-	-
BEACHVILLE	CYANAMIDE RD., GORDON PROP.	17014	1	74	43-05	80-52	2	6	-	-	-	-	-	-	-	-	-	-
BEACHVILLE	26 VINE ST., MOE TRAILER	17015	1	89	43-05	80-50	4	6	-	-	-	-	-	-	-	-	-	-
INGERSOLL	HWY 2 R.R. 2, J. SPIEL PROP.	17020	1	81	43-04	81-51	4	6	-	-	-	-	-	-	-	-	-	-
EMBRO	OXFORD CITY RD. 6, HESSTON FARM	17021	1	83	43-06	81-52	1	6	-	-	-	-	-	-	-	-	-	-
BEACHVILLE	26 VINE ST., MOE TRAILER	17215	1	89	43-05	80-50	4	6	-	-	-	-	-	-	-	-	-	-
BEACHVILLE	26 VINE ST., MOE TRAILER	17315	1	89	43-04	80-50	4	6	-	-	-	-	-	-	-	-	-	-
NANTICOKE	RAINHAM RD./SANDUSK RD.	22092	1	85	42-49	80-02	4	6	-	-	-	-	-	-	-	-	-	-
NANTICOKE	SANDUSK RD., WALPOLE S. P.S.	22904	1	84	42-50	80-02	4	6	-	-	-	-	-	-	-	-	6	6
NANTICOKE	NANTICOKE VILLAGE	22907	1	84	42-49	80-05	4	6	-	-	-	-	-	-	-	-	-	-
NANTICOKE	N. 2 KM NANTICOKE OPG	22964	1	84	42-50	80-05	4	6	-	-	-	-	-	-	-	-	-	-
PEACOCK POINT	697 WEST LAKESHORE RD.	22967	1	01	42-47	79-59	1	6	-	-	-	-	-	-	-	-	-	-
THOROLD	185 QUEEN ST. S	27052	1	82	43-07	79-12	1	6	6	6	6	6	6	6	6	6	6	6
ST. CATHARINES	27 PLYMOUTH AVE.	27057	1	98	43-10	79-13	4	6	6	6	6	6	6	6	6	6	6	6

Table 2: Ontario Noncontinuous Air Monitoring Network For 2001

CITY/TOWN	LOCATION	ID	TYPE	VR	LAT.	LONG.	ELEV.	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO ₃	SO ₄ ²⁻
THOROLD	BEAVERDAMS/COLLIER	27081	1	99	43:06	79:12	1	6	6	6	6	6	6	6	6	6	-	-
NIAGARA FALLS	7401 PORTAGE RD.	27082	1	99	43:04	79:04	1	6	6	6	6	6	6	6	6	6	-	-
PORT COLBORNE	RODNEY/DAVIS	27083	1	01	42:53	79:14	1	3	3	3	3	3	3	3	3	3	-	-
ST. CATHARINES	10 HEMLOCK ST.	27084	1	01	43:08	79:12	1	3	3	3	3	3	3	3	3	3	-	-
ST. CATHARINES	ST. LAWRENCE SEAWAY AUTHORITY	27085	1	01	43:08	79:12	3	3	3	3	3	3	3	3	3	3	-	-
HAMILTON DOWNTOWN	ELGIN/KELLY	29000	A	88	43:15	79:52	4	6	-	-	-	-	-	-	-	-	-	-
HAMILTON	KENIL WORTH	29009	1	69	43:15	79:49	6	6	-	-	-	-	-	-	-	-	-	-
HAMILTON	BURLINGTON/LEEDS	29011	1	73	43:16	79:49	5	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BURLINGTON/WELLINGTON	29012	1	73	43:16	79:51	7	6	6	6	6	6	6	6	6	6	-	-
HAMILTON	BARTON/SANFORD	29025	1	69	43:16	79:51	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	467 BEACH BLVD.	29102	1	85	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEPEW	29113	1	86	43:15	79:49	4	6	-	-	-	-	-	-	-	-	-	-
HAMILTON MOUNTAIN	VICKERS RD/EAST 18TH ST.	29114	A	85	43:14	79:52	3	6	6	6	6	6	6	6	6	6	6	6
HAMILTON WEST	MAIN ST. W./HWY 403	29118	A	85	43:15	79:54	3	6	-	-	-	-	-	-	-	-	-	-
HAMILTON	MORLEY ST./PARKDALE AVE.	29119	1	86	43:15	79:47	4	6	-	-	-	-	-	-	-	-	-	-
HAMILTON	DUNDURN/YORK	29122	1	87	43:16	79:53	10	6	-	-	-	-	-	-	-	-	-	-
HAMILTON	KEEFER CRT./MOEE LAB	29143	1	92	43:15	79:46	4	6	-	-	-	-	-	-	-	-	-	-
TORONTO	51 LARCHMOUNT AVE., BRUCE P.S.	31045	1	86	43:40	79:20	6	3	-	-	-	-	-	-	3	-	-	-
TORONTO	MOSLEY/LESLIE ST. S.	31058	1	73	43:40	79:20	5	3	-	-	-	-	-	-	3	-	-	-
TORONTO	633 EASTERN AVE., A.R. CLARKE CO.	31065	1	87	43:40	79:20	12	3	-	-	-	-	-	-	3	-	-	-
TORONTO	138 HAMILTON AVE., WORKS DEPT.	31082	1	74	43:40	79:19	5	3	-	-	-	-	-	-	3	-	-	-
MISSISSAUGA	2360 DIXIE RD.	46047	1	95	43:33	79:35	1	6	-	-	-	-	-	-	6	-	-	-
MISSISSAUGA	APPLE LANE, MEADOWOOD PARK	46117	1	87	43:31	79:36	5	6	6	6	6	6	6	6	6	6	-	-
THUNDER BAY	MONTREAL/MOUNTDALE ST., BOMBARDIER	63046	1	78	48:21	89:18	3	6	-	-	-	-	-	-	-	-	-	-
SAULT STE MARIE	BONNEY ST., PUMPHOUSE	71042	1	75	46:31	84:23	2	6	6	6	6	6	6	6	6	6	-	-
TOTALS:		Ambient		6														
		Source		44														
					50	24	24	24	24	24	24	24	24	23	29	24	11	11

RECENT CHANGES TO THE 2001 NONCONTINUOUS AIR MONITORING NETWORK:

Stations added to the network: Windsor (12401); Peacock Point (22967); Port Colborne (27083); and St. Catharines (27084 and 27085).

Stations removed from the network: Corunna (14030); Burlington (44009); and Hearst (72114).

LEGEND:

Single Digits	- cycle duration in days	TSP	- Total Suspended Particulate	Ni	- Nickel
ID	- Station identification number	Cd	- Cadmium	Pb	- Lead
TYPE	- A: Ambient survey; I: Source specific survey	Cr	- Chromium	V	- Vanadium
YR.	- Year station began monitoring	Cu	- Copper	NO ₃	- Nitrate
LAT.	- Latitude (degrees:minutes)	Fe	- Iron	SO ₄ ²⁻	- Sulphate
LONG.	- Longitude (degrees:minutes)	Mn	- Manganese		
ELEV.	- Air intake height above ground (metres)				

Table 3: Ontario Air Monitoring Network for PM₁₀ 24-Hour Sampling for 2001

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	Ca	Zn	SO ₄ ²⁻
WINDSOR	WRIGHT/WATER ST.	12507	A	90	42:17	83:06	4	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12508	A	89	42:19	83:02	8	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	3665 WYANDOTTE ST. E.	12513	A	92	42:19	83:00	6	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	1400 ROSELAWN DR., ST. GABRIEL S.S.	12556	A	98	42:15	83:01	10	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	5305 ADSTOL AVE., ST. ALEXANDER S.S.	12559	A	98	42:18	82:57	10	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	13765 ST. GREGORY'S RD., ST. GREGORY'S S.S.	12583	A	98	42:19	82:51	10	6	6	6	6	6	6	6	6	6	6	6	6
SARNIA	6TH LINE, MOORE TOWNSHIP	14550	I	97	42:58	82:24	3	6	6	6	6	6	6	6	6	6	6	6	6
SARNIA	FRONT ST./CN TRACKS, CENTENNIAL PARK	14564	A	97	42:59	82:24	3	6	6	6	6	6	6	6	6	6	6	6	6
LONDON	900 HIGBURY AVE.	15525	A	96	42:58	81:13	4	6	6	6	6	6	6	6	6	6	6	6	6
BEACHVILLE	EARL LANTZ PROPERTY	17550	I	98	43:06	80:52	2	6	6	6	6	6	6	6	6	6	6	6	6
NANTICOKE	SANDUSK RD., WALPOLE SOUTH P.S.	22304	I	92	42:50	80:02	4	6	6	6	6	6	6	6	6	6	6	6	6
ST. CATHARINES	71 KING ST.	27308	I	91	43:10	79:15	12	6	6	6	6	6	6	6	6	6	6	6	6
THOROLD	185 QUEEN ST. S.	27352	I	90	43:07	79:12	4	6	6	6	6	6	6	6	6	6	6	6	6
PORT COLBORNE	RODNEY/DAVIS	27383	I	01	43:53	79:14	1	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON DOWNTOWN	ELGIN/KELLY ST.	29300	A	90	43:15	79:52	4	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	467 BEACH BLVD.	29302	I	89	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEPEW ST.	29313	I	90	43:16	79:52	4	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON MOUNTAIN	VICKERS RD./EAST 18TH ST.	29314	A	99	43:14	79:52	4	6	6	6	6	6	6	6	6	6	6	6	6
ETOBICOKE SOUTH	185 JUDSON ST.	33127	A	97	43:37	79:31	5	6	6	6	6	6	6	6	6	6	6	6	6
OAKVILLE	BRONTE RD./WOBURN CRES.	44127	A	92	43:24	79:44	1	6	6	6	6	6	6	6	6	6	6	6	6
MISSISSAUGA	APPLE LANE, MEADOW PARK	46127	I	93	43:31	79:36	1	6	6	6	6	6	6	6	6	6	6	6	6
FORT FRANCES	ARMIT AVE./4TH ST.	62201	I	00	48:38	93:23	9	6	6	6	6	6	6	6	6	6	6	6	6
THUNDER BAY	JAMES/WALSH ST.	63201	A	89	48:23	89:17	4	6	6	6	6	6	6	6	6	6	6	6	6
THUNDER BAY	VICTOR ST.	63202	I	00	48:20	89:20	3												6
SAULT STE. MARIE	BONNEY ST., PUMPHOUSE	71342	I	89	46:31	84:23	2	6	6	6	6	6	6	6	6	6	6	6	6

Table 3: Ontario Air Monitoring Network for PM₁₀ 24-Hour Sampling for 2001

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	Ca	Zn	SO ₄ ²⁻
SAULT STE. MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71368	A	90	46:32	84:21	3	6	6	6	6	6	6	6	6	6	6	6	6
SUDBURY	19 LISGAR ST.	77326	I	91	46:29	80:59	8	6	6	6	6	6	6	6	6	6	6	6	6
COPPER CLIFF	MARKET ST.	77570	I	96	46:28	81:04	4	6	6	6	6	6	6	6	6	6	6	6	6
TOTALS:								27	27	27	27	27	27	27	27	27	27	27	27

Notes:

- Samplers operate on a 6-day sampling cycle.

RECENT CHANGES TO THE 2001 PM₁₀ 24-HOUR AIR MONITORING NETWORK:

Stations added to the network: Port Colborne (27383).

LEGEND:

ID	- Station identification number	IP	- Inhalable Particulate	Cd	- Cadmium
TYPE	- A: ambient survey, I: source specific survey	Cu	- Copper	V	- Vanadium
YR.	- Year station monitoring began	Fe	- Iron	Ni	- Nickel
LAT.	- Latitude (degrees:minutes)	Mn	- Manganese	Ca	- Calcium
LONG.	- Longitude (degrees:minutes)	Pb	- Lead	Zn	- Zinc
ELEV.	- Air intake above ground (m)	Cr	- Chromium	SO ₄ ²⁻	- Sulphate

Table 4: Ontario Meteorological Network For 2001

CITY	STATION NAME	ID	YR.	LAT.	LONG.	WS1/WD1	HT1	WS2/WD2	HT2	WS3/WD3	HT3	TEM.	DT1	DT2
WINDSOR	WRIGHT/WATER ST.	12007	84	42:17	83:06	T	10	T	30	-	-	T	T	-
LITTLE RIVER	9725 RIVERSIDE DR. E.	12009	71	42:20	82:55	T	15	-	-	-	-	-	-	-
MERLIN	MIDDLE RD., MOE WATER PUMP STN.	13021	77	42:15	82:13	T	9	-	-	-	-	-	-	-
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	75	42:48	82:29	T	10	T	30	T	90	T	T	T
PARKHILL	PUC BUILDING	15013	83	43:10	81:41	T	5	-	-	-	-	-	-	-
LONDON	900 Highbury Ave.	15025	95	42:59	81:13	-	-	-	-	-	-	T	-	-
BEACHVILLE	26 VINE ST., MOE TRAILER	17015	89	43:04	80:51	T	9	-	-	-	-	-	-	-
JARVIS	HYDRO MET. TOWER, 2 KM N.E. OF JARVIS	22883	84	42:54	80:05	T	10	-	-	T	85	T	-	-
LONG POINT	PROVINCIAL PARK	22901	79	42:35	80:23	T	10	-	-	T	85	T	-	-
NANTICOKE	NANTICOKE VILLAGE	22907	89	42:48	80:04	T	10	-	-	-	-	-	-	-
CAMBRIDGE	CLYDE RD.	26066	91	43:22	80:17	T	30	-	-	-	-	T	-	-
ELMIRA	UNION PARK	26070	99	43:36	80:33	T	7	-	-	-	-	-	-	-
ALLANBURG	TRANSFORMER STN., HWY 58	27011	81	43:04	79:11	-	-	T	37	-	-	T	T	-
HAMILTON	N. BRAMPTON WOODWARD	29026	75	43:15	79:46	T	10	T	30	T	91	T	T	T
HAMILTON	NIAGARA/LAND ST.	29567	96	43:16	79:50	T	7	-	-	-	-	-	-	-
TORONTO EAST	LAWRENCE/KENNEDY	33003	75	43:45	79:16	-	-	T	76	-	-	T	T	-
ETOBICOKE SOUTH	185 JUDSON ST.	35033	75	43:37	79:31	-	-	T	30	-	-	T	T	T
YORK	CLEARVIEW HEIGHTS	36030	87	43:42	79:29	T	10	-	-	-	-	-	-	-
BURLINGTON	HWY 2/ NORTH SHORE BLVD. E.	44008	79	43:19	79:48	T	10	-	-	-	-	T	-	-
OAKVILLE	BRONTE RD./WOBURN CRES.	44015	80	43:24	79:44	T	10	-	-	-	-	-	-	-
AJAX	230 WESTNEY RD. S.	45082	01	43:50	79:02	T	10	-	-	-	-	T	-	-
BRAMPTON	525 MAIN ST. N. PEEL MANOR	46089	00	43:42	79:47	T	10	-	-	-	-	T	-	-
BARRIE	83 PERRY ST.	47045	01	44:24	79:42	T	10	-	-	-	-	T	-	-
YORK REGION	HWY 47/E. OF HWY 48	48002	82	43:58	79:16	T	10	-	-	-	-	T	-	-
DORSET	HWY 117/PAINT LAKE RD.	49010	81	45:13	78:56	T	10	-	-	-	-	T	-	-
KINGSTON	133 DALTON AVE.	52020	93	44:15	76:31	T	10	-	-	-	-	-	-	-
PETERBOROUGH	10 HOSPITAL DR.	59006	98	44:18	78:19	T	10	-	-	-	-	T	-	-
DRYDEN	35 VAN HORNE AVE.	61027	84	49:47	92:50	T	18	-	-	-	-	-	-	-
FORT FRANCES	EIGHT ST./CORNWALL AVE.	62047	90	48:37	93:25	T	10	-	-	-	-	T	-	-
MARATHON	PETER ST.	63033	91	48:43	86:23	T	8	-	-	-	-	-	-	-

Table 4: Ontario Meteorological Network For 2001

CITY	STATION NAME	ID	YR.	LAT.	LONG.	WS1/WD1	HT1	WS2/WD2	HT2	WS3/WD3	HT3	TEM	DT1	DT2
RED ROCK	BROMPTON RD., RECREATION CTR.	63084	81	48.57	88.15	T	15	-	-	-	-	-	-	-
TERRACE BAY	SELKIRK ST., ST. MARTIN SCHOOL	63090	82	48.47	87.05	T	12	-	-	-	-	-	-	-
THUNDER BAY	615 JAMES ST. S., MTO	63200	90	48.22	89.17	T	10	-	-	-	-	-	-	-
THUNDER BAY	VICTOR ST.	63202	00	48.20	89.20	T	10	-	-	-	-	-	-	-
SAULT STE. MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71068	87	46.32	84.21	T	10	-	-	-	-	T	-	-
NORTH BAY	CHIPPEWA ST., DEPT. NATIONAL DEFENCE	75010	87	46.19	79.27	T	10	-	-	-	-	T	-	-
SUDBURY	HANMER	77013	82	46.39	80.57	T	10	-	-	-	-	-	-	-
SUDBURY	699 FROOD RD., CKNC-TV	77025	73	46.30	81.00	T	10	-	-	T	115	T	T	T
TOTALS:			34			34	34	6	6	5	5	21	7	4

RECENT CHANGES TO THE 2001 METEOROLOGICAL MONITORING NETWORK:

Stations added to the network: London (15025); Ajax (45082); Barrie (47045); Haliburton (49010); and Red Rock (63084)

Stations removed from the network: Toronto (31045)

LEGEND:

ID	- Station identification number	WS1/WD1	- Wind speed and direction below 23 m	HT3	- Sensor height (meters) level 3
YR.	- Year station monitoring began	WS2/WD2	- Wind speed and direction 23 m to 76 m	TEM	- Ambient temperature
LAT.	- Latitude (degrees minutes)	WS3/WD3	- Wind speed and direction above 76 m	DT1	- Temperature difference level 2 m
LONG.	- Longitude (degrees minutes)	HT1	- Sensor height (meters) level 1	DT2	- Temperature difference level 3 m
T	- Telemetry	HT2	- Sensor height (meters) level 2		

Table 5: Ozone (O₃) Statistics (2001)

Unit: parts per billion (ppb)

O₃ 1-hour AAQC is 80 ppb

ID	City	Location	Valid h	P E R C E N T I L E S							Maximum		# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	
12008	Windsor Downtown	467 University Ave. W.	8688	1	8	17	27	45	77	20.5	112	62	63
12016	Windsor West	College South St.	8316	0	6	15	25	43	76	19.0	112	58	58
13021	Merlin	Middle Rd., MOE Water Pump Stn.	8727	7	17	25	34	50	83	27.4	114	71	104
14064	Sarnia	Front St./CN Tracks, Centennial Park	8462	4	15	24	32	48	82	25.6	128	71	93
14118	Mandamin	Concession Rd. 26	8288	6	17	25	33	46	78	26.5	112	63	63
15009	Longwoods	Longwoods Conservation Authority	8489	5	16	24	33	48	76	26.0	117	65	62
15013	Parkhill	Puc Building	8684	9	19	27	35	49	79	28.6	114	67	67
15020	Grand Bend	HWY 21/County Rd. 83, Visitor Info. Ctr.	8706	11	22	30	39	52	84	31.6	117	72	135
15025	London	900 Highbury Ave.	8636	4	14	22	31	47	78	24.2	104	67	68
18007	Tiverton	Lot C/Concession 5, Visitor Info. Ctr.	8713	18	27	33	40	52	82	34.7	116	80	102
22071	Simcoe	HWY 3/Blue Line Rd., Experimental Farm	8500	12	22	29	37	53	82	31.0	111	78	113
22901	Long Point	Provincial Park	8381	12	22	30	39	58	90	32.8	137	92	216
26060	Kitchener	West Ave./Homewood	8686	4	16	24	33	48	78	25.7	99	68	65
27067	Niagara Region	Argyle Cres., Pump Stn.	8653	0	10	19	28	45	73	21.2	100	66	39
28028	Guelph	Exhibition St./Clark St.	8730	6	19	27	36	51	82	28.6	104	72	104
29000	Hamilton Downtown	Elgin Kelly	8709	0	8	16	25	41	72	18.8	98	67	39
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	8701	3	13	22	31	48	80	24.2	105	72	81
29118	Hamilton West	Main St. W./HWY 403	8694	0	8	17	25	39	70	18.6	99	66	38
31103	Toronto Downtown	Bay/Wellesley	8679	3	11	19	29	44	75	22.0	107	67	47
31190	Toronto	CN Tower, 301 Front St. W.,**	8687	15	27	35	45	60	92	37.2	129	98	237
33003	Toronto East	Kennedy/Lawrence	8717	3	10	18	29	44	77	21.7	110	67	63
34020	Toronto North	Yonge St./Finch Ave.	8680	4	12	22	31	44	75	23.4	97	68	55
35003	Toronto West	Elmcrest Rd., Centennial Park	8560	1	8	18	28	44	76	21.0	114	64	51
35033	Etobicoke South	185 Judson St.	8200	2	8	16	26	42	76	19.9	106	66	56
36030	York	Clearview Heights	8702	2	6	15	26	43	77	19.3	119	61	66
44008	Burlington	HWY 2/North Shore Blvd. E.	8684	4	14	23	32	46	74	24.6	117	69	42
44015	Oakville	Bronte Rd./Weburn Cres	8052	3	11	21	30	46	73	22.9	107	67	44
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8708	4	13	22	31	42	71	23.4	108	60	39
46089	Brampton	525 Main St. N., Peel Manor	8632	4	15	24	33	47	77	25.4	106	68	53
46110	Mississauga	Queensway W./Huronario St.	8674	2	10	20	29	46	80	22.4	121	71	86
47045	Barrie	83 Perry St.	768	1	7	15	22	28	37	INS	41	35	0
48002	York Region	HWY 47/E. of HWY 48	8711	10	22	29	38	50	77	30.5	103	73	64
48006	Newmarket	Eagle St./McCaffrey Rd.	4935	6	19	27	35	55	87	INS	113	75	89
49005	Perry Sound	7 Bay St.	4381	10	24	34	46	62	91	INS	116	89	108
49010	Dorset	HWY 117/Paint Lake Rd.	8695	12	23	30	38	50	77	31.0	98	65	58

Table 5: Ozone (O₃) Statistics (2001)

Unit: parts per billion (ppb)

O₃ 1-hour AAQC is 80 ppb

ID	City	Location	Valid h	P E R C E N T I L E S							Mean	Maximum		# of Times Above Criterion
				10%	30%	50%	70%	90%	99%		1h	24h		
51001	Ottawa	Rideau Wurtzburg St.	7890	6	15	23	32	45	71	25.0	92	71	26	
52020	Kingston	133 Dalton St.	8584	1	8	18	29	43	72	20.7	97	70	40	
56051	Cornwall	Bedford Third St. S., Memorial Park	8439	7	19	27	36	51	80	29.0	108	73	84	
59006	Peterborough	10 Hospital Dr.	8667	10	22	30	38	51	81	30.7	117	69	97	
62200	Fort Francis	Armit Ave./4th St., Robert Moore P.S.	8547	12	23	29	35	45	59	28.9	78	64	0	
63200	Thunder Bay	615 James St. S., MTO	8641	4	16	26	33	43	56	24.4	75	53	0	
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8616	6	17	25	33	45	60	25.2	88	65	2	
75010	North Bay	Chippewa St., Dept. National Defense	8717	6	17	26	34	47	75	26.6	96	67	51	
77203	Sudbury	100 Ramsey Lake Rd., Science North	8698	10	21	28	36	48	71	29.1	98	76	25	

Notes:

**CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.

Table 6: Fine Particulate Matter (PM_{2.5}) Statistics (2001)
Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	Valid h	P E R C E N T I L E S							Maximum		# of Times Above Benchmark
				10%	30%	50%	70%	90%	99%	Mean	1 h	24 h	
12007	Windsor	Wright/Water St.	1805	3	5	8	12	18	35	INS	41	33	1
12008	Windsor Downtown	467 University Ave.	8308	1	4	7	12	20	41	9.4	72	40	7
12009	Little River	9725 Riverside Dr. E.	4821	2	5	8	12	20	43	INS	72	44	5
14064	Sarnia	Front St./CN Tracks, Centennial Park	6921	1	3	7	12	23	46	9.9	77	44	10
15025	London	900 Highbury Ave.	8691	2	4	7	11	19	41	9.2	82	47	6
18007	Tiverton	Lot C/Concession 5, Visitor Info. Ctr.	7841	1	3	4	8	16	38	6.9	62	44	4
22071	Simcoe	HWY 3/Blue Line Rd., Experimental Farm	8646	0	3	5	9	17	40	7.5	81	44	10
26060	Kitchener	West Ave./Homewood	8546	1	3	5	9	17	38	7.7	76	47	6
27067	Niagara Region	Argyle Cres., Pump Stn.	8589	1	3	7	11	20	42	9.0	65	48	10
28028	Guelph	Exhibition/Clark St.	8716	1	3	6	10	17	40	8.3	72	43	7
29000	Hamilton Downtown	Elgin/Kelly	8719	3	5	9	13	23	44	11.1	76	53	9
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	8648	1	3	6	9	18	38	8.1	86	43	9
31103	Toronto Downtown	Bay/Wellesley	8674	2	4	7	10	19	41	9.1	69	51	8
34020	Toronto North	Yonge St./Finch Ave.	8659	1	3	6	10	19	39	8.7	65	45	7
35033	Etobicoke South	185 Judson St.	7798	2	5	8	13	23	43	10.6	72	45	11
45025	Oshawa	Rtison Rd./Olive Ave., Rtison Rd. P.S.	8693	2	4	7	11	20	42	9.1	68	40	8
46089	Brampton	525 Main St. N., Peel Manor	8512	1	3	7	11	21	45	9.5	88	54	10
46110	Mississauga	Queensway W./Huronario St.	8686	1	4	6	10	17	36	8.3	51	41	6
47045	Barrie	83 Perry St.	763	1	3	4	6	12	23	INS	43	15	0
48006	Newmarket	Eagle St./McCaffrey Rd.	4697	1	3	6	10	22	44	INS	61	41	6
49010	Dorset	HWY 117 / Paint Lake Rd.	8644	1	2	3	7	14	34	5.9	72	41	2
51001	Ottawa	Rideau/Wurtemburg St.	6757	2	4	6	10	18	36	8.5	54	32	3
59006	Peterborough	10 Hospital Dr.	7261	1	3	5	9	18	39	8.0	71	44	7
63200	Thunder Bay	615 James St. S., MTC	4620	1	3	4	7	12	26	INS	119	21	0
75010	North Bay	Chippewa St., Dept. National Defense	8372	1	2	4	7	14	32	6.2	61	44	3

Notes:

- Measurements taken by Tapered Element Oscillating Microbalance (TEOM) sampler.

- Benchmark value is based on 30 µg/m³ for 24 hours.

Table 7: Inhalable Particles (PM₁₀) Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

PM₁₀ 24-hour interim AAQC is 50 µg/m³

ID	City	Location	Valid h	P E R C E N T I L E S					Maximum 1 h	Maximum 24 h	# of Times Above Criterion
				10%	30%	50%	70%	90%			
12016	Windsor West	College/South St.	8365	8	14	19	27	43	73	180	73
14064	Sarnia	Front St./CN Tracks, Centennial Park	8666	6	10	15	23	39	66	360	62
15025	London	900 Highbury Ave.	4035	6	11	16	24	39	76	157	72
29565	Hamilton	Streathme Ave., Homesside II	6330	9	14	20	29	49	93	283	99
29567	Hamilton	Niagara Land St.	8688	7	13	21	34	62	134	295	105
33003	Toronto East	Lawrence/Kennedy	8054	7	11	15	22	35	61	188	65
35003	Toronto West	Elmerest Rd., Centennial Park	8492	7	12	17	23	40	75	206	73
35033	Etobicoke South	185 Judson St.	8174	8	13	19	27	45	79	232	85
44008	Burlington	HWY 2/North Shore Blvd. E.	2695	7	10	13	17	25	41	158	73
48002	York Region	HWY 47 East Of HWY 48	2865	7	10	13	17	28	67	161	64
59006	Peterborough	10 Hospital Dr.	1374	5	8	12	16	26	55	158	81
63200	Thunder Bay	615 James St., MTO	93	6	8	11	13	17	23	158	31
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8685	5	8	12	19	39	109	200	79

Notes:

- Measurements taken by Tapered Element Oscillating Microbalance (TEOM) sampler.

Table 8: Suspended Particles (SP) Statistics (2001)

Unit: COHS/1000 FT

COH 24-hour AAQC is 1.0 COH unit

COH 1-year AAQC is 0.5 COH unit

ID	City	Location	Valid h	P E R C E N T I L E S					99%	Mean	Maximum		# of Times Above Criteria	
				10%	30%	50%	70%	90%			1h	24h	24h	1y
12008	Windsor Downtown	467 University Ave.	8414	0.0	0.1	0.1	0.2	0.3	0.7	0.2	1.4	0.5	0	0
12016	Windsor West	College/South St.	8463	0.0	0.1	0.2	0.2	0.4	0.9	0.2	2.1	0.6	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8686	0.0	0.1	0.1	0.2	0.3	0.6	0.1	1.4	0.6	0	0
15025	London	900 Highbury Ave.	1515	0.0	0.1	0.1	0.2	0.2	0.5	INS	2.5	0.5	0	0
22907	Nanticoke	Nanticoke Village	6731	0.0	0.1	0.2	0.2	0.4	0.7	0.2	1.5	0.6	0	0
26060	Kitchener	West Ave./Homewood	8631	0.0	0.1	0.1	0.2	0.3	0.6	0.1	1.5	0.6	0	0
27067	Niagara Region	Argyle Cres., Pump Stn.	7853	0.0	0.1	0.1	0.2	0.4	0.8	0.2	1.6	0.6	0	0
29000	Hamilton Downtown	Elgin/Kelly	8678	0.0	0.1	0.2	0.2	0.5	1.0	0.2	4.1	1.2	1	0
29025	Hamilton	Barton/Wentworth	8429	0.1	0.1	0.2	0.3	0.5	1.0	0.3	2.5	1.2	1	0
29102	Hamilton	467 Beach Blvd.	7737	0.1	0.2	0.3	0.4	0.6	1.1	0.3	3.3	0.8	0	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	8693	0.0	0.1	0.1	0.2	0.3	0.8	0.2	2.0	0.7	0	0
29118	Hamilton West	Main St. W./HWY 403	8569	0.0	0.1	0.1	0.2	0.4	0.8	0.2	1.6	0.8	0	0
29547	Hamilton	Pier 25 Beach Strip	8174	0.1	0.2	0.3	0.4	0.6	1.2	0.3	3.2	0.9	0	0
29565	Hamilton	Homeside II, Strathern Ave. N.	8154	0.0	0.1	0.2	0.3	0.5	1.1	0.2	4.6	0.9	0	0
29567	Hamilton	Niagara Land St.	8336	0.0	0.1	0.2	0.3	0.5	1.1	0.3	2.5	0.9	0	0
35033	Etobicoke South	185 Judson St.	7645	0.1	0.2	0.3	0.4	0.7	1.5	0.4	2.4	1.1	1	0
36030	York	Clearview Heights	8653	0.1	0.1	0.2	0.3	0.5	1.2	0.3	2.5	0.8	0	0
44015	Oakville	Bronte Rd./Weburn Cres.	8058	0.0	0.1	0.2	0.3	0.5	1.0	0.2	3.3	0.8	0	0
46110	Mississauga	Queensway W./Hurontario St.	8097	0.1	0.1	0.2	0.3	0.6	1.2	0.3	2.4	0.8	0	0
63200	Thunder Bay	615 James St. S., MTO	8713	0.0	0.1	0.1	0.2	0.4	0.9	0.2	2.4	0.7	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8668	0.0	0.1	0.1	0.2	0.4	1.0	0.2	2.7	0.7	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8649	0.0	0.0	0.1	0.1	0.2	0.4	0.1	1.6	0.6	0	0

Table 9: Nitric Oxide (NO) Statistics (2001)

Unit: parts per billion (ppb)

ID	City	Location	Valid h	P E R C E N T I L E S					Mean	Maximum	
				10%	30%	50%	70%	90%		1h	24h
12008	Windsor Downtown	467 University Ave	8589	1	3	5	10	26	89	11.0	202
12009	Little River	9725 Riverside Dr. E.	4841	2	4	6	9	17	54	INS	203
12016	Windsor West	College South St.	8434	0	2	4	8	25	101	10.4	292
14064	Sarnia	Front St. CN Tracks, Centennial Park	8603	1	2	3	5	16	58	6.7	198
15025	London	900 Highbury Ave	8587	1	2	3	5	14	67	6.6	307
22071	Simcoe	HWY 3 Blue Line Rd., Experimental Farm	7235	0	0	0	1	3	12	1.2	52
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	6690	2	3	3	4	6	20	4.0	78
22901	Long Point	Provincial Park	8405	0	0	0	0	1	8	0.5	51
26060	Kitchener	West Ave./Homewood	8674	0	1	2	3	11	78	5.7	413
27067	Niagara Region	Argyle Cres., Pump Stn.	6707	1	3	6	11	35	128	13.8	315
28028	Guelph	Exhibition Clark St.	3690	0	1	2	3	14	79	INS	175
29000	Hamilton Downtown	Elgin/Kelly	8688	0	2	4	9	28	114	11.5	488
29102	Hamilton	467 Beach Blvd.	7373	2	7	15	27	54	135	23.2	321
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	5510	1	2	2	4	13	72	INS	193
29118	Hamilton West	Main St. W./HWY 403	8459	1	3	6	13	53	183	18.5	408
31103	Toronto Downtown	Bay/Wellesley	8677	1	2	4	8	27	89	10.0	280
33003	Toronto East	Lawrence/Kennedy	8721	1	4	9	17	44	135	17.9	318
34020	Toronto North	Yonge St./Finch Ave.	8668	1	2	5	12	40	114	14.3	363
35003	Toronto West	Elmcrest Rd., Centennial Park	8612	1	2	4	10	37	166	14.7	432
35033	Etobicoke South	185 Judson St.	8200	2	5	11	23	67	179	25.0	584
36030	York	Clearview Heights	8141	2	4	8	16	55	209	22.3	624
44008	Burlington	HWY 2/North Shore Blvd. E.	7817	1	3	5	11	31	117	13.2	287
44015	Oakville	Bronte Rd./Woburn Cres.	7706	1	2	4	8	29	121	11.9	343
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8712	1	2	4	10	34	141	13.7	392
46089	Brampton	525 Main St. N., Peel Manor	8723	1	2	4	7	28	131	11.6	389
46110	Mississauga	Queensway W./Hurontario St.	8733	1	3	6	12	40	167	16.4	586
47045	Barrie	83 Perry St.	764	1	2	4	9	47	200	INS	469
48002	York Region	HWY 47/E. of HWY 48	2866	2	3	4	6	15	51	INS	178
49010	Dorset	HWY 117 / Paint Lake Rd.	8624	0	0	0	0	1	3	0.2	19
51001	Ottawa	Rideau/Warwickburg St.	8063	1	2	3	6	18	68	7.3	159
59006	Peterborough	10 Hospital Dr.	8656	0	1	2	3	8	48	4.0	170
63200	Thunder Bay	615 James St. S., MTO	8609	1	2	3	7	23	112	10.1	312
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8679	1	2	3	5	14	61	6.5	181
75010	North Bay	Chippawa St., Dept. National Defense	3160	1	2	3	5	15	68	INS	142
77203	Sudbury	100 Ramsey Lake Rd., Science North	8394	1	2	3	3	5	30	3.7	182

Table 10: Nitrogen Dioxide (NO₂) Statistics (2001)

Unit: parts per billion (ppb)

NO₂ 1-hour AAQC is 200 ppb

NO₂ 24-hour AAQC is 100 ppb

ID	City	Location	Valid h	P E R C E N T I L E S							Maximum		# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h
12008	Windsor Downtown	467 University Ave.	8589	8	13	17	23	33	50	19.4	87	41	0	0
12009	Little River	9725 Riverside Dr. E.	4841	5	9	13	19	30	44	INS	63	40	0	0
12016	Windsor West	College/South St.	8434	9	14	19	25	35	50	20.8	69	44	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8603	6	9	14	21	32	47	16.8	84	38	0	0
15025	London	900 Highway Ave.	8587	6	10	14	21	33	53	17.3	151	58	0	0
22071	Simcoe	HWY 3/Blue Line Rd., Experimental Farm	7235	3	5	7	10	17	30	8.8	51	27	0	0
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	6690	4	7	11	15	21	36	11.9	65	41	0	0
22901	Long Point	Provincial Park	8405	2	3	4	7	13	25	6.2	49	26	0	0
26060	Kitchener	West Ave./Homewood	8674	5	8	12	17	27	41	14.1	58	44	0	0
27067	Niagara Region	Argyle Cres.	6707	7	12	17	24	35	73	20.0	104	78	0	0
28028	Guelph	Exhibition St./Clark St.	3690	4	7	10	16	25	35	INS	48	29	0	0
29000	Hamilton Downtown	Elgin/Kelly	8688	10	15	21	27	38	54	22.5	74	51	0	0
29102	Hamilton	467 Beach Blvd.	7373	7	17	24	29	38	56	23.5	85	55	0	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	5510	6	9	12	17	27	48	INS	162	55	0	0
29118	Hamilton West	Main St. W./HWY 403	8459	7	11	17	24	36	54	19.5	89	66	0	0
31103	Toronto Downtown	Bay/Wellesley	8677	13	19	25	33	43	61	27.1	92	49	0	0
31190	Toronto	CN Tower, 301 Front St. W.**	8688	3	5	8	12	21	38	10.4	60	29	0	0
33003	Toronto East	Lawrence/Kennedy	8721	9	15	21	28	39	55	22.9	76	45	0	0
34020	Toronto North	Yonge St./Finch Ave.	8668	7	13	20	29	39	55	22.0	81	49	0	0
35003	Toronto West	Elmcrest Rd., Centennial Park	8612	8	13	19	26	37	55	21.2	91	49	0	0
35033	Etobicoke South	185 Judson St.	8200	11	17	24	32	44	63	26.1	197	65	0	0
36030	York	Clearview Heights	8141	9	16	22	30	42	61	24.2	85	47	0	0
44008	Burlington	HWY 2/North Shore Blvd.	7817	5	10	15	21	31	45	16.5	64	37	0	0
44015	Oakville	Bromie Rd./Webb Cres.	7706	5	9	14	20	29	48	16.2	85	40	0	0
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8712	5	11	17	24	35	53	19.0	85	50	0	0
46089	Brampton	525 Main St. N., Peel Manor	8723	6	10	15	24	38	55	19.1	73	53	0	0
46110	Mississauga	Queensway W./Hurontario St.	8733	8	13	18	25	35	52	20.1	73	48	0	0
47045	Barrie	83 Perry St.	764	6	10	14	20	28	36	INS	60	27	0	0
48002	York Region	HWY 47/E. of HWY 48	2866	5	8	11	16	28	45	INS	59	35	0	0
48006	Newmarket	Eagle St./McCaffrey Rd.	4943	3	5	9	14	24	36	INS	48	34	0	0
49010	Dorset	HWY 117 / Paint Lake Rd.	8624	3	1	2	3	7	18	3.1	33	15	0	0
51001	Ottawa	Rouéau/Warrentburg St.	8063	5	8	12	18	27	42	14.3	72	36	0	0
59006	Peterborough	10 Hospital Dr.	8656	3	5	7	12	23	41	10.4	55	39	0	0
63200	Thunder Bay	615 James St. S., MTO	8609	3	6	9	15	28	46	12.7	68	37	0	0

Table 10: Nitrogen Dioxide (NO₂) Statistics (2001)

Unit: parts per billion (ppb)

NO₂ 1-hour AAQC is 200 ppb

NO₂ 24-hour AAQC is 100 ppb

ID	City	Location	Valid h	P E R C E N T I L S							Maximum		# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h
71068	South Ste. Marie	Patrick St., Wm. Merrifield School	8679	1	4	8	13	23	40	10.2	60	33	0	0
75010	North Bay	Chippewa St., Dept. National Defense	3160	3	5	7	11	19	31	INS	45	22	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8394	1	4	6	9	16	39	7.5	68	31	0	0

Notes:

**CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.

Table 11: Nitrogen Oxides (NO_x) Statistics (2001)

Unit: parts per billion (ppb)

ID	City	Location	Valid h	P E R C E N T I L E S					Mean	Maximum
				10%	30%	50%	70%	90%		1h 24h
12008	Windsor Downtown	467 University Ave.	8589	11	17	24	34	57	30.5	261 97
12009	Little River	9725 Riverside Dr. E.	4841	10	14	19	26	43	INS	203 79
12016	Windsor West	College/South St.	8434	11	17	24	34	58	31.1	347 123
14064	Sarnia	Front St./CN Tracks, Centennial Park	8603	8	12	17	27	47	23.6	275 77
15025	London	900 Highbury Ave.	8587	7	12	17	25	44	113	364 100
22071	Simcoe	HWY 3/Blue Line Rd., Experimental Farm	7235	3	5	8	11	19	39	97 78 32
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	6690	6	9	14	19	26	51	15.5 108 45
22901	Long Point	Provincial Park	8405	2	3	5	8	15	30	6.9 75 30
26060	Kitchener	West Ave./Homewood	8674	6	9	14	20	37	110	19.5 453 131
27067	Niagara Region	Argyle Cres., Pump Stn.	6707	10	16	23	35	71	165	33.5 348 142
28028	Guelph	Exhibition/Clark St.	3690	5	8	12	19	39	103	INS 201 82
29000	Hamilton Downtown	Elgin Kelly	8688	12	18	26	36	65	158	34.4 548 287
29102	Hamilton	467 Beach Blvd.	7373	10	25	41	57	87	173	46.4 356 136
29114	Hamilton Mountain	Vickers Rd/E. 18th St	5510	7	10	14	21	39	114	INS 214 139
29118	Hamilton West	Main St. W./HWY 403	8459	9	15	24	38	88	229	38.4 444 218
31103	Toronto Downtown	Bay/Wellesley	8677	14	21	29	41	68	138	36.6 343 111
31190	Toronto	CN Tower, 301 Front St. W.**	8688	4	6	9	14	26	62	12.9 159 47
33003	Toronto East	Lawrence/Kennedy	8721	11	21	30	45	79	179	40.3 363 134
34020	Toronto North	Yonge St./Finch Ave.	8668	8	16	26	42	77	155	36.2 427 126
35003	Toronto West	Elmcrest Rd., Centennial Park	8612	10	16	24	36	72	217	35.9 496 220
35033	Etobicoke South	185 Judson St.	8200	14	24	36	56	108	229	51.0 655 170
36030	York	Clearview Heights	8141	14	22	31	47	93	258	46.8 668 202
44008	Burlington	HWY 2/North Shore Blvd	7817	6	12	20	32	60	151	29.0 332 133
44015	Oakville	Bronte Rd./Woburn Cres.	7706	7	12	19	29	57	153	27.8 376 114
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8712	6	13	23	35	67	179	32.6 440 155
46089	Brampton	525 Main St. N., Peel Manor	8723	7	12	19	32	65	171	30.3 447 165
46110	Mississauga	Queensway W./Huronario St.	8733	10	17	24	37	73	203	36.3 659 189
47045	Barrie	83 Perry St.	764	7	12	18	28	75	234	INS 529 120
48002	York Region	HWY 47/E. of HWY 48	2866	7	11	16	22	40	88	INS 214 64
49010	Dorset	HWY 117 / Paint Lake Rd.	8624	1	1	2	3	7	20	3.2 43 17
51001	Ottawa	Rideau/Warrentburg St.	8063	6	10	15	23	44	101	21.0 207 89
59006	Peterborough	10 Hospital Dr.	8656	4	6	9	14	30	82	14.3 197 80
63200	Thunder Bay	615 James St. S., MTO	8609	5	9	14	22	50	149	23.1 380 118
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8679	2	6	10	18	36	95	16.2 222 86
75010	North Bay	Chippawa St., Dept. National Defense	3160	4	7	10	16	33	92	INS 174 47
77203	Sudbury	100 Ramsey Lake Rd., Science North	8394	3	5	8	11	20	62	10.8 228 57

Notes:

**CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.

Table 12: Carbon Monoxide (CO) Statistics (2001)

Unit: parts per million (ppm)

CO 1-hour AAQC is 30 ppm

CO 8-hour AAQC is 13 ppm

ID	City	Location	Valid h	P E R C E N T I L S							Maximum		# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Mean	1h	8h	1h	8h
12008	Windsor Downtown	467 University Ave. W	8487	0.00	0.10	0.18	0.30	0.57	1.54	0.26	4.94	2.00	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	7106	0.07	0.18	0.26	0.35	0.51	0.94	0.28	2.36	1.20	0	0
15025	London	900 Highbury Ave.	7878	0.00	0.03	0.09	0.15	0.28	0.76	0.13	3.50	1.40	0	0
26060	Kitchener	West Ave./Homeswood	8465	0.21	0.29	0.35	0.43	0.58	1.29	0.39	5.38	2.50	0	0
27067	Niagara Region	Argyle Cres.	8157	0.07	0.17	0.25	0.33	0.54	1.22	0.29	2.68	1.40	0	0
29000	Hamilton Downtown	Elgin Kelly	8460	0.26	0.51	0.72	0.85	1.09	1.67	0.70	3.65	2.50	0	0
29118	Hamilton West	Main St. W./HWY 403	6946	0.20	0.30	0.37	0.47	0.77	1.59	0.44	6.65	2.80	0	0
31103	Toronto Downtown	Bay/Wellesley	8683	0.52	0.76	0.89	1.08	1.37	1.81	0.93	3.21	2.20	0	0
35003	Toronto West	Elmcrest Rd., Centennial Park	8658	0.59	0.78	0.93	1.11	1.47	2.35	0.99	6.52	4.20	0	0
35033	Erie/Coke South	185 Judson St.	8255	0.38	0.62	0.85	1.14	1.65	2.40	0.95	4.60	2.90	0	0
36030	York	Clearview Heights	8540	0.16	0.34	0.49	0.68	1.14	2.79	0.60	5.34	3.40	0	0
44008	Burlington	HWY 2/North Shore Blvd. E.	8665	0.22	0.34	0.48	0.61	0.91	1.35	0.52	2.60	1.80	0	0
44015	Oakville	Bronie Rd./Weburn Cres.	7900	0.17	0.29	0.38	0.49	0.70	1.14	0.42	2.82	1.30	0	0
46089	Brampton	525 Main St. N., Peel Manor	8730	0.38	0.57	0.83	1.20	1.75	2.42	0.97	4.12	2.90	0	0
46110	Mississauga	Queensway W./Hurontario St.	8742	0.31	0.51	0.68	0.82	1.07	1.90	0.70	5.23	3.00	0	0
47045	Barrie	83 Perry St.	767	0.26	0.38	0.45	0.52	0.76	2.53	INS	4.44	1.90	0	0
48006	Newmarket	Eagle St./McCaffrey Rd.	4887	0.36	0.45	0.55	0.69	0.87	1.30	INS	2.83	1.80	0	0
51001	Ottawa	Rideau/Warrentburg St.	8580	0.35	0.46	0.56	0.69	0.96	1.53	0.62	2.87	1.80	0	0
59006	Peterborough	10 Hospital Dr.	8677	0.22	0.37	0.54	0.93	1.37	1.75	0.70	3.33	2.30	0	0
63200	Thunder Bay	615 James St. S., MTO	8684	0.24	0.41	0.57	0.80	1.35	2.04	0.69	5.79	2.90	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8715	0.00	0.13	0.34	0.49	0.81	1.19	0.36	2.82	2.00	0	0

Table 13: Sulphur Dioxide (SO₂) Statistics (2001)

Unit: parts per billion (ppb)
 SO₂ 1-hour AAQC is 250 ppb
 SO₂ 24-hour AAQC is 100 ppb
 SO₂ 1-year AAQC is 20 ppb

ID	City	Location	Valid h	P E R C E N T I L E S							Maximum		# of Times Above Criteria		
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h	1y
12007	Windsor	Wright/Water St.	8594	0	3	5	7	13	30	6.3	69	29	0	0	0
12008	Windsor Downtown	467 University Ave.	8680	1	2	4	6	15	35	6.1	82	21	0	0	0
12009	Little River	9725 Riverside Dr.	4764	0	1	2	4	10	28	INS	73	15	0	0	0
12016	Windsor West	College/South St.	8410	1	4	7	11	20	44	9.3	158	41	0	0	0
14016	Courtright	HWY 40 (opposite OPG)	8698	1	3	4	6	15	67	7.3	248	47	0	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8672	1	2	4	7	31	140	12.5	263	131	1	2	0
15025	London	900 Highbury Ave.	8457	0	1	2	4	8	15	3.5	32	16	0	0	0
22071	Simcoe	HWY 3/Blue Line Rd., Experimental Farm	8477	1	2	4	6	10	22	5.0	123	21	0	0	0
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	7866	1	2	3	5	11	31	5.2	150	21	0	0	0
22901	Long Point	Provincial Park	8386	1	3	4	5	8	18	4.6	115	45	0	0	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	8022	1	2	3	5	11	27	5.2	121	20	0	0	0
22907	Nanticoke	Nanticoke Village	8381	0	2	3	6	13	34	5.6	137	27	0	0	0
26060	Kitchener	West Ave./Homewood	8690	1	1	2	4	7	15	3.4	142	15	0	0	0
26070	Elmira	Union Park	8333	0	1	2	4	9	44	4.2	96	29	0	0	0
27067	Niagara Region	Argyle Cres., Pump Stn.	7052	0	1	2	4	7	18	3.3	56	19	0	0	0
29000	Hamilton Downtown	Elgin Kelly	8700	1	2	3	6	14	43	6.0	107	27	0	0	0
29025	Hamilton	Barton Sanford	8643	1	2	4	7	18	55	7.6	133	40	0	0	0
29102	Hamilton	467 Beach Blvd	8658	1	2	5	10	29	75	10.8	154	53	0	0	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	8683	0	2	3	6	13	32	5.3	68	20	0	0	0
29118	Hamilton West	Main St. W./ HWY 403	8577	0	1	2	4	10	25	4.0	84	19	0	0	0
31103	Toronto Downtown	Bay/Wellesley	8678	2	3	4	5	9	19	5.0	48	18	0	0	0
35003	Toronto West	Elmerest Rd., Centennial Park	8646	2	3	3	5	9	23	4.7	147	21	0	0	0
35033	Etiobicoke South	185 Judson St.	8255	1	2	3	4	9	18	4.0	96	17	0	0	0
36030	York	Clearview Heights	8720	1	2	2	4	8	20	3.7	71	18	0	0	0
44008	Burlington	HWY 2/North Shore Blvd. E.	8682	2	3	4	5	9	20	4.9	46	26	0	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	8082	0	1	2	4	9	20	3.7	100	19	0	0	0

Table 13: Sulphur Dioxide (SO₂) Statistics (2001)

Unit: parts per billion (ppb)

SO₂ 1-hour AAQC is 250 ppb

SO₂ 24-hour AAQC is 100 ppb

SO₂ 1-year AAQC is 20 ppb

ID	City	Location	Valid h	P E R C E N T I L E S						Mean	Maximum		# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%		1h	24h	1h	24h
46089	Brampton	525 Main St. N., Peel Manor	8719	0	1	2	3	7	16	2.7	45	16	0	0
46110	Mississauga	Queensway W. Hurontario St.	8735	2	3	4	5	9	20	4.7	219	24	0	0
47045	Barrie	83 Perry St.	766	1	1	2	3	5	9	INS	17	5	0	0
48006	Newmarket	Eagle St./McCaffrey Rd.	4929	0	1	2	3	6	15	INS	30	11	0	0
51001	Ottawa	Rideau Wutemburg St.	8318	0	1	2	2	5	13	2.3	33	9	0	0
56051	Cornwall	Bedford/Third St. S., Memorial Park	7352	0	1	2	4	10	32	4.3	113	22	0	0
59006	Peterborough	10 Hospital Dr.	8670	0	1	1	2	4	12	1.8	20	10	0	0
63200	Thunder Bay	615 James St. S., MTO	8713	0	0	0	1	2	6	0.7	61	6	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7739	0	0	0	0	5	37	2.0	95	22	0	0
77012	Sudbury	Skead	8695	0	1	1	2	11	92	5.8	371	63	2	0
77013	Sudbury	Hammer	8660	0	0	1	2	5	48	3.0	195	36	0	0
77016	Sudbury	Ash St., Water Tank	8723	0	1	1	3	13	76	6.0	354	55	8	0
77028	Coniston	Government Rd. Edward St.	8739	0	1	1	2	7	59	3.8	836	82	2	0
77065	Garson	Falconbridge Rd.	8729	0	0	1	2	7	60	4.0	352	31	1	0
77075	New Sudbury	Kennedy St.	6955	0	0	1	2	8	81	4.8	346	45	4	0
77201	Sudbury	Mikkola, J. Hamilton School	8726	0	0	0	1	3	42	2.4	380	48	3	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8736	0	0	0	0	5	55	2.6	318	31	4	0
77206	Rayside	St. Laurent/Regional Rd.	8741	0	0	1	1	3	29	2.0	193	39	0	0
77218	Copper Cliff	Market St.	8711	0	0	0	1	11	71	4.3	366	40	2	0
77225	Sudbury	Robinson School	8730	0	0	1	2	8	53	3.7	339	33	2	0
77228	Sudbury	Mary/Glover St.	8722	0	0	0	0	8	51	3.1	307	41	4	0

Table 14: Total Reduced Sulphur (TRS) Statistics (2001)

Unit: parts per billion (ppb)

TRS 1-hour AAQC is 27 ppb

ID	City	Location	Valid h	P E R C E N T I L E S							Mean	Maximum		# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	1h		24h		
12007	Windsor	Wright/Water St.	8682	0	0	1	1	3	12	1.2	46	11	11	
12016	Windsor West	College/South St.	8442	0	0	0	1	3	10	1.0	35	7	6	
14064	Sarnia	Front St./CN Tracks, Centennial Park	8664	0	0	0	1	2	4	0.6	29	5	1	
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	8133	0	0	0	1	2	3	0.6	12	3	0	
22907	Nanticoke	Nanticoke Village	8659	0	0	1	1	2	7	0.8	28	6	1	
26070	Elmira	Union Park	8344	0	0	0	0	1	3	0.4	66	8	1	
29000	Hamilton Downtown	Elgin/Kelly	8694	0	0	1	1	2	6	0.9	62	13	5	
29025	Hamilton	Barton Wentworth St.	8287	0	0	1	1	2	5	1.0	16	4	0	
29102	Hamilton	467 Beach Blvd	8184	0	1	1	2	4	11	1.8	34	8	1	
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	8399	0	0	0	1	2	7	0.7	23	6	0	
29118	Hamilton West	Main St. W./HWY403	8685	0	0	0	1	1	4	0.5	8	3	0	
29547	Hamilton	Pier 25/Beach Strip	8175	0	1	1	2	5	16	2.0	91	16	25	
29567	Hamilton	Niagara/Land St.	8703	0	0	0	1	3	8	1.0	52	10	7	
44015	Oakville	Bronte/Woburn Cres.	8075	0	0	0	1	1	3	0.5	15	3	0	
61027	Dryden	35 Van Horne Ave.	8688	0	0	0	0	2	14	0.8	96	18	20	
62030	Fort Frances	Portage/Church St.	8553	0	0	0	2	8	23	2.4	103	15	38	
62032	Fort Frances	Colonization Rd. W., Cemetery	8727	0	0	0	0	2	11	0.7	119	15	17	
62047	Fort Frances	Eigth St./Cornwall Ave.	8701	0	0	0	1	5	43	2.5	190	39	188	
62200	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	8542	0	0	0	0	2	13	0.8	123	14	26	
63033	Marathon	Peter St.	8623	0	0	0	0	0	2	0.1	15	2	0	
63046	Thunder Bay	Montreal St., Bombardier	8698	0	0	0	1	4	25	1.7	137	27	76	
63084	Red Rock	Brompton Rd., Recreation Center	8701	0	0	0	1	3	31	1.7	151	27	108	
63090	Terrace Bay	Selkirk St., St. Martin School	8492	0	0	0	1	3	19	1.2	66	10	42	
63092	Terrace Bay	Terrace Heights Dr.	8664	0	0	0	0	2	21	1.1	88	12	47	
63200	Thunder Bay	615 James St., MTO	8708	0	0	0	0	0	3	0.1	26	3	0	
63202	Thunder Bay	Victor St.	8669	0	0	0	0	3	14	1.0	83	10	6	
63204	Thunder Bay	Mary St.	6934	0	0	0	0	1	6	0.3	24	5	0	
71042	Sault Ste. Marie	Bonney St., Pumphouse	267	0	0	0	0	0	40	INS	68	15	8	
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8519	0	0	0	0	0	3	0.1	17	2	0	
77203	Sudbury	100 Ramsey Lake Rd., Science North	8661	0	0	0	0	1	1	0.2	4	2	0	

Table 15: Mercury (Hg) Statistics (2001)

Unit: nanograms per cubic metre (ng/m³)

Hg 1-hour AAQC is 5000 ng/m³

ID	City	Location	Valid h	P E R C E N T I L E S							Maximum		# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Mean	1h	24h	
35003	Toronto West	Elmerest Rd., Centennial Park	8293	1.50	1.70	1.90	2.10	2.60	4.30	2.03	48.00	6.23	0
46110	Mississauga	Queensway W./Huroniano St.	6981	1.70	2.00	2.20	2.60	3.30	5.50	2.43	47.30	6.79	0

TABLE 16: 10-YEAR TREND FOR O₃
Annual Mean (ppb)

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	15.1	17.1	18.0	18.3	20.4	20.7	21.4	21.7	18.6	20.5
13021	MERLIN	24.3	23.7	24.2	28.0	28.6	27.0	28.4	27.2	24.6	27.4
14064	SARNIA	21.3	22.6	21.4	22.2	25.2	24.5	26.1	26.5	24.3	25.6
14118	MANDAUMIN	23.5	24.5	24.6	24.0	23.4	27.9	29.9	29.0	25.9	26.5
15020	GRAND BEND	29.7	31.3	30.2	31.3	31.9	31.2	31.2	32.5	32.6	31.6
15025	LONDON #	20.3	22.8	23.1	21.7	23.1	22.8	25.1	25.8	21.1	24.2
18007	TIVERTON	33.4	32.2	31.7	31.6	32.0	32.5	32.2	n/a	32.3	34.7
22071	SIMCOE	25.1	27.8	30.2	30.7	29.9	28.6	31.1	31.3	29.3	31.0
22901	LONG POINT	32.3	31.2	32.2	31.0	34.4	35.2	32.9	35.6	33.1	32.8
26060	KITCHENER	22.7	23.2	24.4	25.1	23.8	23.4	25.4	25.2	23.0	25.7
27067	NIAGARA REGION	19.3	23.9	23.6	20.5	20.3	20.9	20.8	21.7	18.9	21.2
29000	HAMILTON DOWNTOWN	16.9	16.9	17.0	18.0	17.3	18.1	19.1	19.5	17.0	18.8
31103	TORONTO DOWNTOWN	12.5	14.6	16.9	16.6	12.2	13.7	17.8	20.2	19.7	22.0
33003	TORONTO EAST	14.3	17.0	18.2	19.3	18.9	18.0	20.6	21.5	19.6	21.7
35033	ETOBICOKE SOUTH	15.4	16.0	17.4	16.3	17.1	19.4	20.2	n/a	20.1	19.9
44015	OAKVILLE	19.3	21.0	22.5	20.4	21.1	20.8	21.8	22.4	21.0	22.9
45025	OSHAWA	20.3	21.4	23.8	22.7	21.9	23.2	23.1	25.0	21.2	23.4
46110	MISSISSAUGA	15.6	16.1	19.5	19.2	19.4	20.0	20.8	22.2	19.9	22.4
48002	YORK REGION	23.0	23.0	25.3	24.4	26.4	30.1	31.4	31.2	27.5	30.5
51001	OTTAWA	17.4	18.1	19.7	20.9	18.9	20.6	19.1	21.2	19.9	25.0
56051	CORNWALL	20.8	21.6	21.7	23.5	21.0	22.8	24.2	25.80	24.0	29.0
77203	SUDBURY	25.4	25.9	27.1	29.7	28.1	28.0	29.1	30.7	26.1	29.1
COMPOSITE MEAN		21.2	23.1	23.9	23.4	23.4	24.1	25.1	25.8	23.6	25.7

Site change from King Rectory (15001) to 900 Highbury Ave (15025) in 1995
n/a - data not available

TABLE 17: 10-YEAR TREND FOR SP (as measured by COH)

Annual Mean (COH units/1000ft)
COH annual AAQC = 0.5 COH unit

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	0.34	0.36	0.28	0.31	0.26	0.15	0.20	0.19	0.16	0.20
14064	SARNIA	0.22	0.20	0.20	0.18	0.17	0.18	0.19	0.18	0.16	0.10
15625	LONDON *	0.24	0.25	0.25	0.20	0.21	0.17	0.18	0.14	0.14	n/a
27067	NIAGARA REGION	0.26	0.27	0.25	0.24	0.24	0.20	0.21	0.20	0.19	0.20
29000	HAMILTON DOWNTOWN	0.45	0.48	0.47	0.39	0.43	0.33	0.33	0.25	0.31	0.20
35033	ETOBICOKE SOUTH	0.46	0.51	0.38	0.33	0.29	0.26	0.34	0.33	0.33	0.40
56051	CORNWALL	0.19	0.22	0.19	0.22	0.26	0.15	0.09	0.13	n/a	n/a
77203	SUDBURY	0.17	0.21	0.19	0.14	0.15	0.12	0.09	0.11	0.08	0.10
COMPOSITE MEAN		0.29	0.31	0.28	0.25	0.25	0.20	0.20	0.19	0.20	0.20

* Site changed from King Rectory (15001) to 900 Highbury Ave (15025)

n/a - data not available

TABLE 18: 10-YEAR TREND FOR NO
Annual Mean (ppb)

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	18.0	17.0	17.0	15.0	16.0	15.9	16.3	13.3	13.9	11.0
14064	SARNIA	7.0	7.0	9.0	6.0	7.0	7.0	6.9	7.1	8.9	6.7
15025	LONDON #	13.0	13.0	18.0	15.0	10.0	7.6	9.1	8.5	8.0	6.6
26060	KITCHENER	6.0	6.0	8.0	7.0	7.0	5.5	6.9	6.6	7.4	5.7
27067	NIAGARA REGION	14.0	12.0	10.0	10.0	13.0	10.3	16.3	11.7	12.4	13.8
29000	HAMILTON DOWNTOWN	15.0	17.0	18.0	16.0	15.0	10.8	12.6	12.0	14.7	11.5
31103	TORONTO DOWNTOWN	25.0	27.0	25.0	23.0	42.0	32.9	24.3	15.8	14.4	10.0
33003	TORONTO EAST	25.0	24.0	26.0	24.0	23.0	24.9	23.2	20.1	23.0	17.9
34020	TORONTO NORTH [^]	21.0	16.0	17.0	18.0	17.0	16.3	16.5	16.5	16.8	14.3
35003	TORONTO WEST	25.0	22.0	23.0	19.0	22.0	18.6	17.9	20.7	19.3	14.7
44015	OAKVILLE	13.0	16.0	15.0	15.0	16.0	14.9	15.8	13.0	16.2	11.9
45025	OSHAWA	14.0	17.0	19.0	18.0	15.0	16.4	15.6	15.1	14.2	13.7
51001	OTTAWA	11.0	12.0	11.0	7.0	8.0	7.0	7.9	14.8	11.0	7.3
56051	CORNWALL	8.0	7.0	6.0	6.0	8.0	6.3	n/a	5.9	3.4	n/a
77203	SUIDBURY	4.0	4.0	5.0	6.0	6.0	4.9	3.7	5.0	4.5	3.7
COMPOSITE MEAN		14.6	14.5	15.1	13.7	15.0	13.3	13.8	12.4	12.5	10.6

Site change location from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

[^] Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

n/a - data not available

TABLE 19: 10-YEAR TREND FOR NO₂

Annual Mean (ppb)

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	25.0	26.0	28.0	25.0	26.0	23.8	23.8	22.9	21.6	19.4
14064	SARNIA	20.0	16.0	18.0	17.0	16.0	16.9	18.0	16.7	16.3	16.8
15025	LONDON #	18.0	20.0	23.0	20.0	18.0	18.0	17.7	19.4	17.4	17.3
26060	KITCHENER	15.0	14.0	14.0	11.0	13.0	13.7	16.5	14.0	14.7	14.1
27067	NIAGARA REGION	12.0	17.0	17.0	14.0	16.0	13.8	15.7	16.2	16.9	20.0
29000	HAMILTON DOWNTOWN	19.0	22.0	22.0	19.0	22.0	18.6	22.4	21.6	21.8	22.5
31103	TORONTO DOWNTOWN	27.0	29.0	30.0	30.0	34.0	31.7	27.7	26.9	26.8	27.1
33003	TORONTO EAST	19.0	19.0	22.0	25.0	23.0	23.4	25.5	24.6	23.7	22.9
34020	TORONTO NORTH #	24.0	21.0	20.0	18.0	22.0	20.2	23.4	24.3	22.7	22.0
35003	TORONTO WEST	26.0	26.0	27.0	25.0	25.0	26.7	26.2	24.7	23.2	21.2
44015	OAKVILLE	16.0	19.0	17.0	17.0	20.0	20.8	17.1	17.2	17.2	16.2
45025	OSHAWA	18.0	19.0	18.0	20.0	19.0	18.6	20.0	21.5	19.7	19.0
51001	OTTAWA	17.0	19.0	19.0	16.0	13.0	12.5	12.4	12.2	13.8	14.3
56051	CORNWALL	10.0	8.0	9.0	8.0	12.0	8.0	n/a	9.0	10.5	n/a
77203	SUDBURY	9.0	10.0	11.0	12.0	8.0	7.4	6.0	7.7	8.6	7.5
COMPOSITE MEAN		18.3	19.0	19.7	18.5	19.1	18.3	19.5	18.6	18.3	18.6

Site changed location from King Rectory to 900 Highbury Ave in 1995

Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

n/a - data not available

TABLE 20: 10-YEAR TREND FOR NO_x
Annual Mean (ppb)

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	42.0	42.0	42.0	38.0	39.0	39.3	38.5	37.0	36.0	30.5
14064	SARNIA	26.0	23.0	28.0	23.0	23.0	24.9	25.1	23.5	25.0	23.6
15025	LONDON #	34.0	35.0	38.0	32.0	28.0	24.4	25.8	25.9	24.7	23.1
26060	KITCHENER	22.0	21.0	23.0	20.0	20.0	19.2	23.9	20.5	21.9	19.5
27067	NIAGARA REGION	27.0	30.0	28.0	25.0	29.0	24.5	31.7	24.8	28.8	33.5
29000	HAMILTON	33.0	39.0	40.0	35.0	37.0	29.5	34.7	34.0	37.0	34.4
31103	TORONTO DOWNTOWN	52.0	55.0	54.0	55.0	76.0	64.3	51.6	41.9	40.4	36.6
33003	TORONTO EAST	46.0	46.0	50.0	49.0	45.0	47.5	48.3	44.9	46.3	40.3
34020	TORONTO NORTH ^	45.0	37.0	38.0	36.0	39.0	36.7	39.9	40.7	39.3	36.2
35003	TORONTO WEST	51.0	49.0	49.0	45.0	47.0	45.2	43.7	45.4	42.3	35.9
44015	OAKVILLE	30.0	35.0	34.0	32.0	33.0	32.8	30.0	29.6	33.0	27.8
45025	OSHAWA	33.0	36.0	37.0	36.0	35.0	34.9	35.1	35.8	33.6	32.6
51001	OTTAWA	28.0	29.0	28.0	22.0	25.0	19.6	22.8	27.5	24.2	21.0
56051	CORNWALL	19.0	17.0	17.0	16.0	17.0	14.5	n/a	14.7	14.2	n/a
77203	SUDBURY	14.0	16.0	17.0	17.0	14.0	12.5	9.4	12.7	12.6	10.8
COMPOSITE MEAN		33.5	34.0	34.9	32.1	33.8	31.3	32.9	30.6	30.6	29.0

Site change from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

n/a - data not available

TABLE 21: 10-YEAR TREND FOR CO

Annual Mean (ppm)

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	0.9	0.8	1.0	0.9	0.8	0.6	0.7	0.6	0.3	0.3
14064	SARNIA	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.3
15025	LONDON #	0.7	0.6	0.5	0.1	0.0	0.3	0.1	0.3	0.2	0.1
26060	KITCHENER	0.5	0.4	0.3	0.3	0.4	0.2	0.3	0.4	0.4	0.4
27067	NIAGARA REGION	0.7	0.5	0.4	0.2	0.3	0.1	0.4	0.2	0.4	0.3
29000	HAMILTON DOWNTOWN	1.2	1.1	0.8	0.6	1.0	0.7	1.1	0.8	0.8	0.7
31103	TORONTO DOWNTOWN	1.0	1.1	1.0	0.7	1.3	1.2	1.1	n/a	1.3	0.9
33003	TORONTO EAST	1.0	0.8	1.0	1.0	1.1	0.6	0.9	0.8	n/a	n/a
34020	TORONTO NORTH ^a	1.0	1.1	0.9	0.5	0.9	0.7	1.0	0.8	n/a	n/a
35003	TORONTO WEST	0.6	0.7	0.7	0.8	0.7	1.0	1.0	1.0	1.8	1.0
44015	OAKVILLE	0.3	0.7	0.7	0.5	0.7	0.3	0.2	0.2	0.4	0.4
45025	OSHAWA	0.9	0.9	1.0	0.8	0.6	0.4	1.0	0.7	n/a	n/a
51001	OTTAWA	1.1	0.9	0.8	0.6	0.7	0.4	1.1	0.8	0.7	0.6
56051	CORNWALL	0.5	0.8	0.5	0.6	0.6	1.1	0.3	0.4	0.3	n/a
77203	SUDBURY	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.4
COMPOSITE MEAN		0.7	0.7	0.7	0.5	0.6	0.5	0.6	0.5	0.6	0.5

Site changed location from King Rectory (15001) to 900 Highbury Ave. (15025) in 1995.

^a Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

n/a - data not available

TABLE 22: 10-YEAR TREND FOR SO₂

Annual Mean (ppb)

SO₂ annual AAQC = 20 ppb

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12008	WINDSOR DOWNTOWN	6.0	6.0	6.0	5.0	10.0	6.7	7.4	6.7	6.2	6.1
14064	SARNIA	9.0	10.0	9.0	6.0	7.0	8.5	10.3	11.8	10.4	12.5
15025	LONDON #	4.0	3.0	4.0	2.0	3.0	2.5	3.2	4.9	3.5	3.5
22071	SIMCOE	3.0	3.0	2.0	2.0	3.0	3.2	3.8	3.7	4.3	5.0
22901	LONG POINT	5.0	2.0	3.0	2.0	3.0	2.7	3.0	3.7	3.7	4.6
26060	KITCHENER	3.0	3.0	3.0	2.0	3.0	3.1	3.0	3.4	3.2	3.4
27067	NIAGARA REGION	5.0	3.0	3.0	5.0	6.0	5.8	4.0	2.2	3.0	3.3
29000	HAMILTON DOWNTOWN	7.0	6.0	5.0	8.0	9.0	5.8	6.3	6.6	5.1	6.0
31103	TORONTO DOWNTOWN	8.0	7.0	3.0	3.0	5.0	5.3	4.0	n/a	4.7	5.0
33003	TORONTO EAST	3.0	3.0	3.0	4.0	6.0	5.2	4.2	4.9	n/a	n/a
34020	TORONTO NORTH [^]	3.0	4.0	3.0	2.0	5.0	4.4	4.2	5.0	n/a	n/a
35003	TORONTO WEST	8.0	5.0	4.0	3.0	4.0	4.9	4.1	n/a	3.6	4.0
44008	BURLINGTON	6.0	6.0	4.0	2.0	4.0	5.1	3.2	4.9	5.2	4.9
44015	OAKVILLE	4.0	5.0	4.0	2.0	5.0	4.8	5.1	4.0	4.8	3.7
45025	OSHAWA	4.0	3.0	2.0	2.0	5.0	4.6	4.8	5.1	n/a	n/a
46110	MISSISSAUGA	6.0	3.0	3.0	2.0	n/a	n/a	5.1	4.7	4.6	4.7
51001	OTTAWA	2.0	2.0	1.0	1.0	5.0	6.3	3.4	4.2	4.1	2.3
56051	CORNWALL	5.0	7.0	12.0	5.0	5.0	3.9	5.5	3.9	3.5	4.3
63200	THUNDER BAY	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.9
77203	SUDBURY	4.0	4.0	3.0	4.0	5.0	3.5	5.2	3.0	4.2	5.8
COMPOSITE MEAN		4.3	3.9	3.5 #	2.8	4.4	4.1	4.3	4.6	4.4	4.7

Site change from King Rectory (15001) to 900 Highbury Ave (15025) in 1995

[^] Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

n/a - data not available

TABLE 23: 10-YEAR TREND FOR TRS
Annual Mean (ppb)

ID	CITY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
12016	WINDSOR WEST	0.7	0.5	0.7	0.9	0.8	1.6	1.3	0.5	1.1	1.0
14064	SARNIA	0.2	0.2	0.6	0.3	0.3	0.2	0.3	0.5	0.7	0.7
29000	HAMILTON DOWNTOWN	0.6	0.7	1.1	1.2	1.4	1.0	0.7	0.6	0.7	0.9
29114	HAMILTON MOUNTAIN	0.5	0.8	0.7	0.6	1.1	0.6	1.2	n/a	0.5	0.7
29118	HAMILTON WEST	0.4	0.7	0.7	0.9	1.3	0.8	0.9	0.9	0.6	0.5
44015	OAKVILLE	0.5	1.0	1.3	0.3	1.3	1.3	1.1	1.4	1.2	0.5
56051	CORNWALL	2.2	1.8	2.5	1.3	1.2	2.0	1.2	0.9	1.1	n/a
62030	FORT FRANCES	4.2	4.2	2.4	2.5	2.7	2.6	1.4	2.4	2.1	2.4
63033	MARATHON	0.5	0.7	0.9	0.5	0.4	0.2	0.1	0.1	0.1	0.1
63084	RED ROCK	2.0	1.9	3.2	1.1	1.2	1.6	2.8	3.8	3.2	1.7
63090	TERRACE BAY	1.7	1.7	1.1	1.7	1.3	1.0	1.0	0.5	0.9	1.2
63200	THUNDER BAY	0.3	0.2	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.3
71068	SAULT STE. MARIE	0.3	0.4	0.5	0.4	0.5	0.3	0.2	0.2	0.3	0.8
77203	SUDBURY	0.1	0.2	0.5	0.5	0.3	0.3	0.4	0.2	0.1	0.2
COMPOSITE MEAN		1.02	1.07	1.18	0.88	0.98	0.97	0.91	0.94	0.91	0.85

n/a - not available

Table 24: Stations Used in Gaseous Trends

City	Station # (Sampling Period)
Burlington	44008 (1992 - 2001)
Cornwall	56051 (1992 - 2001)
Etobicoke South	35033 (1992 - 2001)
Fort Frances	62030 (1992 - 2001)
Grand Bend	15020 (1992 - 2001)
Hamilton Downtown	29000 (1992 - 2001)
Hamilton Mountain	29114 (1992 - 2001)
Hamilton West	29118 (1992 - 2001)
Kitchener	26060 (1992 - 2001)
London	15001 (1992 - 1995); 15025 (1996 - 2001)
Long Point	22901 (1992 - 2001)
Mandaamin	14118 (1992 - 2001)
Marathon	63033 (1992 - 2001)
Merlin	13021 (1992 - 2001)
Mississauga	46110 (1992 - 2001)
Niagara Region	27067 (1992 - 2001)
Oakville	44015 (1992 - 2001)
Oshawa	45025 (1992 - 2001)
Ottawa	51001 (1992 - 2001)
Red Rock	63084 (1992 - 2001)
Sarnia	14064 (1992 - 2001)
Sault Ste. Marie	71068 (1992 - 2001)
Simcoe	22071 (1992 - 2001)
Sudbury	77203 (1992 - 2001)
Terrace Bay	63090 (1992 - 2001)
Thunder Bay	63200 (1992 - 2001)
Tiverton	18007 (1992 - 2001)
Toronto Downtown	31103 (1992 - 2001)
Toronto East (Scarborough)	33003 (1992 - 2001)
Toronto North (North York)	34020 (1992 - 2001)
Toronto West (Etobicoke West)	35003 (1992 - 2001)
Windsor Downtown	12008 (1992 - 2001)
Windsor West	12016 (1992 - 2001)
York Region	48002 (1992 - 2001)

Table 25: Total Suspended Particulate (TSP) Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

TSP 24-hour AAQC is $120 \mu\text{g}/\text{m}^3$

TSP 1-year AAQC is $60 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith. Mean	Geom. Mean	# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Max.			24h	1y
11001	St. Mary's	309 Thomas St.	56	19	31	48	71	94	215	242	57.4	45.2	3	0
12007	Windsor	Wright Water St.	54	39	51	65	82	112	166	167	72.2	66.3	4	1
12008	Windsor Downtown	467 University Ave. W.	52	33	47	57	76	160	256	270	78.7	63.3	8	1
12011	Windsor	Drouillard Rd./Richmond St.	51	34	49	61	68	95	136	138	63.4	58.5	3	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	48	37	57	66	86	118	169	187	75.1	67.7	5	1
12016	Windsor West	College South St.	53	37	51	58	70	98	151	154	65.5	60.0	4	0
12038	Windsor	2885 Howard Ave.	39	36	53	60	76	89	122	132	INS	INS	1	0
12058	Windsor	Columbus Cr.	51	26	39	48	59	100	128	132	55.2	48.8	2	0
12061	Windsor	City Yard	49	35	45	65	76	103	156	157	67.0	61.0	3	1
12401	Windsor	4989 Walker Rd.	44	43	66	111	154	245	437	502	134.5	107.1	19	1
14016	Courtright	HWY40 (opposite OPG)	49	20	34	44	56	72	148	163	48.3	42.2	2	0
15025	London	900 Highbury Ave.	50	18	30	39	59	90	149	168	49.5	41.2	2	0
17014	Beachville	Cyanamide Rd., Gordon Prop.	53	22	32	41	57	78	206	211	52.7	43.8	3	0
17015	Beachville	26 Vine St., MOE Trailer	55	25	44	60	69	100	159	172	61.4	54.2	2	0
17020	Ingersoll	HWY 2 R.R. 2, J Sprid Prop.	55	20	34	51	76	122	153	154	61.9	50.8	6	0
17021	Embro	Oxford City Rd. 6, Hession Farm	47	40	56	78	109	179	259	282	93.3	77.6	11	1
17215	Beachville	26 Vine St., MOE Trailer	48	41	62	74	98	135	186	198	84.2	75.6	8	1
17315	Beachville	26 Vine St., MOE Trailer	50	27	42	52	65	115	416	440	75.5	56.3	4	0
22092	Nanticoke	Rainham Rd./Sandusk Rd.	60	17	23	32	40	61	116	124	36.8	31.6	1	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	55	14	28	37	46	67	93	95	39.7	34.4	0	0
22907	Nanticoke	Nanticoke Village	59	25	40	49	58	97	115	117	53.5	48.2	0	0
22964	Nanticoke	N. 2 km Nanticoke OPG	10	10	17	18	33	39	44	44	INS	INS	0	0
22967	Nanticoke	Peacock Point, 697 West Lakeshore Rd.	35	15	23	31	36	51	61	64	INS	INS	0	0
27052	Thorold	185 Queen St. S.	50	31	43	61	74	89	139	152	61.8	56.5	2	0
27057	St. Catharines	27 Plymouth Ave.	57	33	50	60	69	104	155	161	65.2	59.7	3	0
27081	Thorold	Beaverdams Collier	55	21	32	40	47	78	113	115	44.8	39.9	0	0
27082	Niagara Falls	7401 Portage Rd.	43	34	41	55	73	99	138	147	62.4	57.1	2	0
27083	Port Colborne	Rodney/Davis	24	26	32	46	60	70	99	100	INS	INS	0	0
27084	St. Catharines	10 Hemlock St.	14	14	21	33	38	54	58	58	INS	INS	0	0
27085	St. Catharines	St. Lawrence Seaway Authority	14	25	39	52	62	95	120	122	INS	INS	1	0
29000	Hamilton Downtown	Elgin Kelly	58	29	39	52	64	102	145	147	59.8	52.6	5	0
29009	Hamilton	Kenilworth	23	26	37	46	56	75	128	135	INS	INS	1	0
29011	Hamilton	Burlington Leeds	53	43	56	77	90	137	229	261	84.7	75.4	9	1
29012	Hamilton	Burlington Wellington	57	24	37	48	58	85	137	144	52.8	46.6	3	0
29025	Hamilton	Barton/Sanford	58	41	48	63	79	114	200	224	74.3	66.9	5	1

Table 25: Total Suspended Particulate (TSP) Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

TSP 24-hour AAQC is $120 \mu\text{g}/\text{m}^3$

TSP 1-year AAQC is $60 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom.		# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Max.	Mean	Mean	24h	1y		
29102	Hamilton	467 Beach Blvd.	53	36	59	78	94	120	142	143	78.8	71.8	71.8	6	1	
29113	Hamilton	Gertrude/Depew	52	41	59	77	103	155	234	246	91.5	80.2	80.2	10	1	
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	53	24	33	49	69	95	132	146	55.7	48.0	48.0	1	0	
29118	Hamilton West	Main St. W./HWY 403	57	26	33	44	55	79	112	113	49.0	44.6	44.6	0	0	
29119	Hamilton	Morley St./Parkdale Ave.	50	40	52	71	92	108	150	176	74.3	68.0	68.0	2	1	
29122	Hamilton	Dundurn/York	55	20	30	40	44	64	91	103	40.5	36.9	36.9	0	0	
29143	Hamilton	Keefer Court, MOE Lab	58	35	55	69	83	111	198	242	74.0	66.6	66.6	4	1	
31045	Toronto	51 Larchmount Ave., Bruce P.S.	117	27	36	48	64	98	151	203	56.7	49.4	49.4	7	0	
31058	Toronto	Mosley/Leslie St. S.	111	37	58	84	108	158	252	291	91.7	79.4	79.4	31	1	
31065	Toronto	633 Eastern Ave., A R. Clarke Co.	57	29	45	64	82	119	147	150	71.0	62.4	62.4	5	1	
31082	Toronto	138 Hamilton Ave., Works Dept.	118	32	45	56	74	107	180	198	65.8	58.4	58.4	9	0	
46047	Mississauga	2360 Dixie Rd.	53	38	56	64	84	102	174	231	71.7	65.9	65.9	2	1	
46117	Mississauga	Apple Lane, Meadowood Park	50	17	23	27	44	76	100	104	38.6	33.0	33.0	0	0	
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	23	44	84	107	201	271	321	96.6	71.2	71.2	16	1	

Table 26: Cadmium (Cd) in TSP Statistics (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

ID	City	Location	# of Samples	P E R C E N T I L E S						Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%		
12007	Windsor	Wright/Water St.	54	0.100	0.100	0.100	0.100	0.100	0.146	0.102	0.101
12008	Windsor	467 University Ave. W.	52	0.100	0.100	0.100	0.100	0.100	0.148	0.102	0.101
12011	Windsor	Drouillard Rd./Richmond St.	48	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
12016	Windsor West	College/South St.	53	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
12038	Windsor	2885 Howard Ave.	39	0.100	0.100	0.100	0.100	0.100	0.200	0.100	INS
12058	Windsor	Columbus Ctr.	51	0.100	0.100	0.100	0.100	0.100	0.198	0.104	0.102
12061	Windsor	City Yard	50	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
14016	Courtright	HWY 40 (opposite OPG)	48	0.100	0.100	0.100	0.100	0.100	0.152	0.102	0.101
15025	London	900 Highbury Ave.	50	0.100	0.100	0.100	0.100	0.100	0.250	0.110	0.107
27052	Thorold	185 Queen St. S.	50	0.100	0.100	0.100	0.100	0.100	0.250	0.108	0.105
27057	St. Catharines	27 Plymouth Ave.	57	0.100	0.100	0.100	0.100	0.100	0.186	0.104	0.102
27081	Thorold	Beaverdams/Collier St.	55	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
27082	Niagara Falls	7401 Portage Rd.	42	0.100	0.100	0.100	0.100	0.100	0.158	0.102	0.102
27083	Port Colborne	Rodney/Davis	24	0.100	0.100	0.100	0.100	0.200	0.300	INS	INS
27084	St. Catharines	10 Helmlock St.	15	0.100	0.100	0.100	0.100	0.200	0.200	INS	INS
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.100	0.100	0.100	0.100	0.220	0.300	INS	INS
29011	Hamilton	Burlington/Leeds	53	0.100	0.100	0.100	0.100	0.100	0.200	0.104	0.103
29012	Hamilton	Burlington/Wellington St.	41	0.100	0.100	0.100	0.100	0.100	0.159	0.102	0.102
29025	Hamilton	Barton/Sanford	58	0.100	0.100	0.100	0.100	0.100	0.242	0.107	0.104
29102	Hamilton	467 Beach Blvd.	53	0.100	0.100	0.100	0.100	0.100	0.341	0.111	0.106
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	52	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
46117	Mississauga	Apple Lane, Meadow Park	50	0.100	0.100	0.100	0.100	0.100	0.400	0.114	0.107
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	0.100	0.100	0.100	0.100	0.100	0.241	0.107	0.104

Notes:

Majority of the samples measured below the detection limit.

Table 27: Chromium (Cr) in TSP Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Cr 24-hour AAQC is $1.5 \mu\text{g}/\text{m}^3$

IID	City	Location	# of Samples	P E R C E N T I L E S						Arith.		Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max.	Mean		
12007	Windsor	Wright/Water St.	54	0.003	0.007	0.010	0.012	0.030	0.053	0.055	0.014	0.009	0
12008	Windsor Downtown	467 University Ave. W.	52	0.002	0.006	0.008	0.010	0.017	0.047	0.068	0.010	0.007	0
12011	Windsor	Drouillard Rd./Richmond St.	48	0.003	0.008	0.012	0.018	0.032	0.064	0.065	0.017	0.011	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.006	0.013	0.018	0.025	0.059	0.110	0.120	0.027	0.019	0
12016	Windsor West	College/South St.	53	0.001	0.006	0.008	0.010	0.014	0.029	0.044	0.008	0.006	0
12038	Windsor	2885 Howard Ave.	39	0.006	0.011	0.014	0.032	0.054	0.109	0.120	INS	INS	0
12058	Windsor	Columbus Ctr.	51	0.001	0.003	0.006	0.009	0.014	0.037	0.050	0.008	0.005	0
12061	Windsor	City Yard	50	0.002	0.006	0.008	0.012	0.022	0.058	0.059	0.013	0.008	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.001	0.004	0.006	0.014	0.035	0.047	0.006	0.004	0
15025	London	900 Highbury Ave.	50	0.001	0.001	0.004	0.006	0.012	0.020	0.024	0.005	0.003	0
27052	Thorold	185 Queen St. S.	50	0.008	0.015	0.020	0.032	0.061	0.087	0.087	0.028	0.019	0
27057	St. Catharines	27 Plymouth Ave.	57	0.005	0.009	0.012	0.017	0.039	0.081	0.098	0.018	0.012	0
27081	Thorold	Beaverdams/Collier St.	55	0.001	0.004	0.007	0.011	0.015	0.036	0.051	0.009	0.006	0
27082	Niagara Falls	7401 Portage Rd.	42	0.016	0.029	0.052	0.097	0.208	0.326	0.330	0.088	0.056	0
27083	Port Colborne	Rodney/Davis	24	0.001	0.002	0.007	0.010	0.017	0.020	0.021	INS	INS	0
27084	St. Catharines	10 Hemlock St.	15	0.001	0.001	0.001	0.001	0.004	0.005	0.005	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.001	0.005	0.018	0.043	0.096	0.215	0.230	INS	INS	0
29011	Hamilton	Burlington/Leeds	53	0.013	0.025	0.034	0.046	0.076	0.125	0.130	0.042	0.033	0
29012	Hamilton	Burlington/Wellington St.	41	0.004	0.008	0.013	0.016	0.023	0.186	0.290	0.020	0.012	0
29025	Hamilton	Barton/Sanford	58	0.001	0.008	0.016	0.029	0.062	0.090	0.099	0.025	0.013	0
29102	Hamilton	467 Beach Blvd.	53	0.005	0.012	0.019	0.028	0.040	0.064	0.076	0.022	0.017	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	52	0.001	0.005	0.006	0.010	0.018	0.039	0.043	0.009	0.006	0
46117	Mississauga	Apple Lane, Meadow Park	50	0.001	0.001	0.004	0.006	0.008	0.012	0.013	0.004	0.003	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	0.005	0.012	0.028	0.043	0.063	0.086	0.091	0.032	0.022	0

Table 28: Copper (Cu) in TSP Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Cu 24-hour AAQC is $50 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	P E R C E N T I L E S						Arith.		Geom.	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max	Mean	Mean	
12007	Windsor	Wright Water St.	54	0.018	0.034	0.051	0.090	0.132	0.184	0.200	0.067	0.052	0
12008	Windsor Downtown	467 University Ave. W.	52	0.007	0.017	0.031	0.042	0.108	0.160	0.160	0.043	0.027	0
12011	Windsor	Drouillard Rd./Richmond St.	48	0.012	0.020	0.040	0.055	0.090	0.191	0.210	0.047	0.035	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.006	0.016	0.029	0.041	0.056	0.108	0.120	0.033	0.024	0
12016	Windsor West	College South St.	53	0.012	0.022	0.035	0.047	0.095	0.129	0.140	0.044	0.034	0
12038	Windsor	2885 Howard Ave.	39	0.006	0.027	0.041	0.056	0.066	0.098	0.110	INS	INS	0
12058	Windsor	Columbus Ctr.	51	0.046	0.073	0.094	0.130	0.240	0.345	0.360	0.121	0.098	0
12061	Windsor	City Yard	50	0.004	0.015	0.030	0.053	0.095	0.155	0.170	0.045	0.026	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.010	0.034	0.044	0.055	0.098	0.150	0.150	0.052	0.041	0
15025	London	900 Highbury Ave.	50	0.014	0.044	0.069	0.100	0.150	0.365	0.410	0.090	0.059	0
27052	Thorold	185 Queen St. S.	50	0.025	0.054	0.100	0.140	0.200	0.325	0.330	0.114	0.087	0
27057	St. Catharines	27 Plymouth Ave.	57	0.099	0.140	0.160	0.200	0.246	0.457	0.520	0.180	0.165	0
27081	Thorold	Beaverdams Collier St.	55	0.088	0.120	0.195	0.285	0.640	0.968	1.100	0.277	0.211	0
27082	Niagara Falls	7401 Portage Rd.	42	0.090	0.116	0.140	0.218	0.280	0.424	0.470	0.180	0.160	0
27083	Port Colborne	Rodney/Davis	24	0.001	0.012	0.017	0.021	0.033	0.069	0.080	INS	INS	0
27084	St. Catharines	10 Hemlock St.	15	0.167	0.475	0.535	0.635	0.715	0.849	0.870	INS	INS	0
28085	St. Catharines	St. Lawrence Seaway Authority	14	0.194	0.244	0.300	0.336	0.496	0.655	0.680	INS	INS	0
29011	Hamilton	Burlington/Leeds	53	0.037	0.060	0.079	0.092	0.134	0.189	0.200	0.083	0.074	0
29012	Hamilton	Burlington/Wellington St.	41	0.009	0.016	0.026	0.034	0.051	0.106	0.120	0.030	0.022	0
29025	Hamilton	Barton/Sanford	58	0.093	0.134	0.200	0.266	0.372	0.470	0.470	0.219	0.193	0
29102	Hamilton	467 Beach Blvd.	53	0.032	0.051	0.067	0.084	0.130	0.190	0.190	0.074	0.064	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	52	0.011	0.028	0.045	0.065	0.090	0.113	0.130	0.049	0.040	0
46117	Mississauga	Apple Lane, Meadow Park	50	0.056	0.081	0.120	0.150	0.190	0.435	0.470	0.133	0.115	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	0.021	0.034	0.059	0.143	0.201	0.301	0.330	0.098	0.067	0

Table 29: Iron (Fe) in TSP Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

ID	City	Location	# of Samples	P E R C E N T I L E S						Arith.		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean	
12007	Windsor	Wright-Water St.	54	0.6	1.1	1.7	2.2	3.3	3.9	4.1	1.8	1.5
12008	Windsor Downtown	467 University Ave. W.	52	0.4	0.7	1.0	1.3	2.3	5.2	5.4	1.3	1.0
12011	Windsor	Drouillard Rd./Richmond St.	48	0.6	1.0	1.1	1.6	2.3	3.5	3.6	1.4	1.2
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.6	1.0	1.8	3.1	6.0	10.9	12.0	2.8	1.8
12016	Windsor West	College South St.	53	0.5	0.7	1.2	1.6	2.1	2.7	3.0	1.3	1.1
12038	Windsor	2885 Howard Ave.	39	1.0	1.7	2.5	6.3	11.5	23.9	27.0	INS	INS
12058	Windsor	Columbus Cir.	51	0.3	0.6	1.0	1.4	1.6	2.1	2.3	1.0	0.9
12061	Windsor	City Yard	50	0.6	0.9	1.4	1.8	2.2	2.7	2.7	1.4	1.2
14016	Courtright	HWY 40 (opposite OFG)	48	0.1	0.2	0.4	0.5	0.7	1.6	1.7	0.4	0.3
15025	London	900 Highbury Ave.	50	0.1	0.2	0.4	0.6	0.9	1.9	2.1	0.5	0.4
27052	Thorold	185 Queen St. S.	50	0.3	0.5	0.6	1.2	1.7	1.9	1.9	0.9	0.7
27057	St. Catharines	27 Plymouth Ave.	57	0.5	0.8	1.3	1.8	2.9	7.1	8.0	1.7	1.3
27081	Thorold	Beaverdams/Collier St.	55	0.2	0.3	0.4	0.5	0.8	1.5	1.7	0.5	0.4
27082	Niagara Falls	7401 Portage Rd.	42	0.4	0.6	0.7	1.1	1.8	3.3	3.9	1.0	0.8
27083	Port Colborne	Rodney/Davis	24	0.2	0.5	0.7	1.3	2.7	4.6	4.6	INS	INS
27084	St. Catharines	10 Hemlock St.	15	0.1	0.2	0.3	0.4	0.6	1.0	1.1	INS	INS
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.3	0.9	1.8	5.1	9.0	13.4	14.0	INS	INS
29011	Hamilton	Burlington/Leeds	53	1.0	1.9	3.2	4.6	7.4	12.4	14.0	3.9	3.0
29012	Hamilton	Burlington/Wellington St.	41	0.5	0.7	1.0	1.6	2.5	3.8	4.2	1.3	1.1
29025	Hamilton	Barton/Sanford	58	0.5	0.9	1.4	2.6	7.1	9.0	9.2	2.6	1.7
29102	Hamilton	467 Beach Blvd.	53	0.4	1.4	2.8	3.9	5.5	6.0	6.2	2.9	2.2
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	52	0.2	0.4	0.6	1.2	2.9	4.3	5.0	1.1	0.7
46117	Mississauga	Apple Lane, Meadow Park	50	0.1	0.2	0.3	0.5	1.1	3.9	4.9	0.6	0.4
71042	Sault Ste. Marie	Bonney St., PumpHouse	59	1.0	1.9	4.1	7.5	12.0	21.4	22.0	5.7	3.7

Table 30: Manganese (Mn) in TSP Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Mn 24-hour AAQC is $2.5 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max.			
12007	Windsor	Wright Water St.	54	0.018	0.029	0.044	0.064	0.096	0.159	0.170	0.055	0.044	0
12008	Windsor	467 University Ave. W.	52	0.013	0.022	0.029	0.042	0.078	0.160	0.170	0.042	0.032	0
12011	Windsor	Dreuilard Rd./Richmond St.	48	0.026	0.032	0.043	0.067	0.104	0.262	0.300	0.063	0.048	0
12013	Windsor	3665 Wyandotte St. E., Filtration Pla	45	0.019	0.043	0.089	0.185	0.380	0.750	0.840	0.159	0.088	0
12016	Windsor West	College South St.	53	0.013	0.027	0.036	0.049	0.075	0.095	0.100	0.042	0.035	0
12038	Windsor	2885 Howard Ave.	39	0.021	0.031	0.039	0.087	0.127	0.281	0.320	INS	INS	0
12058	Windsor	Columbus Ctr.	51	0.010	0.017	0.025	0.033	0.051	0.068	0.071	0.029	0.024	0
12061	Windsor	City Yard	50	0.014	0.021	0.037	0.046	0.068	0.091	0.095	0.039	0.033	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.006	0.008	0.013	0.026	0.051	0.063	0.012	0.008	0
15025	London	900 Highbury Ave.	50	0.001	0.010	0.016	0.022	0.036	0.056	0.056	0.017	0.011	0
27052	Thorold	185 Queen St. S.	50	0.010	0.026	0.032	0.050	0.079	0.110	0.120	0.040	0.033	0
27057	St. Catharines	27 Plymouth Ave.	57	0.031	0.048	0.082	0.149	0.240	0.466	0.540	0.121	0.085	0
27081	Thorold	Beaverlams Collier St.	55	0.008	0.016	0.021	0.024	0.040	0.071	0.075	0.023	0.020	0
27082	Niagara Falls	7401 Portage Rd.	42	0.019	0.029	0.034	0.046	0.067	0.129	0.150	0.042	0.037	0
27083	Port Colborne	Rodney Davis	24	0.004	0.016	0.025	0.031	0.068	0.160	0.180	INS	INS	0
27084	St. Catharines	10 Hemlock St.	15	0.001	0.006	0.016	0.018	0.022	0.042	0.045	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.010	0.027	0.045	0.120	0.194	0.588	0.650	INS	INS	0
29011	Hamilton	Burlington Leeds	53	0.073	0.159	0.225	0.320	0.547	0.859	0.880	0.288	0.219	0
29012	Hamilton	Burlington Wellington St.	41	0.037	0.052	0.077	0.120	0.199	0.509	0.620	0.114	0.085	0
29025	Hamilton	Barton Sanford	58	0.042	0.070	0.110	0.188	0.444	0.670	0.740	0.182	0.124	0
29102	Hamilton	467 Beach Blvd.	53	0.031	0.093	0.165	0.220	0.377	0.444	0.460	0.181	0.135	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	52	0.013	0.021	0.032	0.054	0.156	0.224	0.240	0.056	0.037	0
46117	Mississauga	Apple Lane, Meadowood Park	50	0.005	0.009	0.012	0.019	0.037	0.110	0.130	0.020	0.014	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	0.037	0.120	0.220	0.410	0.722	1.141	1.200	0.327	0.201	0

Table 31: Nickel (Ni) in TSP Statistics (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)
Ni 24-hour AAQC is $2.0 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	P E R C E N T I L E S					Arith. Mean	Geom. Mean	# of Times Above Criteria
				10%	30%	50%	70%	90%			
12007	Windsor	Wright Water St.	54	0.001	0.001	0.001	0.003	0.006	0.012	0.014	0
12008	Windsor Downtown	467 University Ave. W.	52	0.001	0.001	0.001	0.002	0.014	0.030	0.041	0
12011	Windsor	Drouillard Rd./Richmond St.	48	0.001	0.001	0.001	0.002	0.005	0.011	0.014	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.001	0.001	0.001	0.004	0.009	0.023	0.026	0
12016	Windsor West	College/South St.	53	0.001	0.001	0.001	0.002	0.004	0.005	0.006	0
12038	Windsor	2885 Howard Ave.	39	0.001	0.001	0.001	0.006	0.015	0.034	0.038	0
12058	Windsor	Columbus Cir.	51	0.001	0.001	0.001	0.001	0.006	0.008	0.008	0
12061	Windsor	City Yard	50	0.001	0.001	0.001	0.003	0.006	0.016	0.022	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.001	0.001	0.004	0.008	0.039	0.046	0
15025	London	900 Highbury Ave.	50	0.001	0.001	0.001	0.001	0.002	0.007	0.009	0
27052	Thorold	185 Queen St. S.	50	0.001	0.001	0.002	0.003	0.005	0.010	0.010	0
27057	St. Catharines	27 Plymouth Ave.	57	0.001	0.001	0.001	0.004	0.006	0.009	0.009	0
27081	Thorold	Beaverdams/Collier St.	55	0.001	0.001	0.001	0.002	0.006	0.013	0.016	0
27082	Niagara Falls	7401 Portage Rd.	42	0.001	0.001	0.001	0.004	0.010	0.015	0.016	0
27083	Port Colborne	Rodney/Davis	24	0.001	0.001	0.004	0.009	0.024	0.098	0.120	0
27084	St. Catharines	10 Hemlock St.	15	0.001	0.001	0.003	0.004	0.005	0.007	0.007	0
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.001	0.004	0.009	0.012	0.024	0.029	0.029	0
29011	Hamilton	Burlington/Leeds	53	0.001	0.001	0.002	0.006	0.011	0.020	0.022	0
29012	Hamilton	Burlington/Wellington St.	41	0.001	0.001	0.001	0.002	0.004	0.006	0.006	0
29025	Hamilton	Barton/Sanford	58	0.001	0.001	0.001	0.001	0.008	0.022	0.024	0
29102	Hamilton	467 Beach Blvd	53	0.001	0.001	0.001	0.003	0.009	0.014	0.015	0
29144	Hamilton Mountain	Vickers Rd/E. 18th St.	52	0.001	0.001	0.001	0.001	0.003	0.010	0.013	0
46117	Mississauga	Apple Lane, Meadow Park	50	0.001	0.001	0.001	0.001	0.004	0.013	0.014	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	0.001	0.001	0.001	0.004	0.009	0.017	0.022	0

Table 32: Lead (Pb) in TSP Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)Pb 24-hour AAQC is $2.0 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
12007	Windsor	Wright Water St.	54	0.01	0.01	0.02	0.03	0.06	0.17	0.18	0.03	0.02	0
12008	Windsor Downtown	467 University Ave. W.	52	0.01	0.01	0.02	0.03	0.04	0.13	0.20	0.03	0.02	0
12011	Windsor	Drouillard Rd./Richmond St.	48	0.01	0.01	0.02	0.02	0.04	0.15	0.15	0.03	0.02	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.01	0.01	0.02	0.03	0.05	0.07	0.08	0.02	0.02	0
12016	Windsor West	College South St.	53	0.01	0.01	0.02	0.03	0.04	0.10	0.17	0.02	0.02	0
12038	Windsor	2885 Howard Ave.	39	0.01	0.01	0.02	0.03	0.05	0.11	0.12	INS	INS	0
12058	Windsor	Columbus Cir.	51	0.01	0.01	0.02	0.02	0.04	0.12	0.17	0.02	0.02	0
12061	Windsor	City Yard	50	0.01	0.01	0.02	0.02	0.06	0.18	0.18	0.03	0.02	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.01	0.01	0.02	0.03	0.05	0.13	0.19	0.03	0.02	0
15025	London	900 Highbury Ave.	50	0.01	0.01	0.01	0.02	0.03	0.06	0.06	0.02	0.01	0
27052	Thorold	185 Queen St. S.	30	0.01	0.01	0.02	0.03	0.06	0.14	0.15	0.03	0.02	0
27057	St. Catharines	27 Plymouth Ave.	57	0.01	0.01	0.02	0.03	0.05	0.10	0.13	0.03	0.02	0
27081	Thorold	Beaverdams/Collier St.	55	0.01	0.01	0.02	0.03	0.04	0.07	0.07	0.03	0.02	0
27082	Niagara Falls	7401 Portage Rd.	42	0.01	0.01	0.02	0.04	0.07	0.07	0.07	0.03	0.02	0
27083	Port Colborne	Rodney Davis	24	0.01	0.01	0.01	0.02	0.04	0.05	0.05	INS	INS	0
27084	St. Catharines	10 Hemlock St.	15	0.01	0.01	0.01	0.02	0.03	0.03	0.03	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.01	0.01	0.02	0.03	0.05	0.08	0.08	INS	INS	0
29011	Hamilton	Burlington/Leeds	53	0.01	0.02	0.03	0.04	0.08	0.19	0.21	0.05	0.03	0
29012	Hamilton	Burlington/Wellington	41	0.01	0.01	0.02	0.04	0.06	0.07	0.07	0.03	0.02	0
29025	Hamilton	Barton Sanford	58	0.01	0.01	0.02	0.03	0.06	0.16	0.18	0.03	0.02	0
29102	Hamilton	467 Beach Blvd.	53	0.01	0.01	0.02	0.04	0.06	0.15	0.16	0.03	0.02	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	52	0.01	0.01	0.02	0.03	0.05	0.08	0.09	0.02	0.02	0
31045	Toronto	51 Larchmount Ave., Bruce P.S.	117	0.01	0.01	0.02	0.05	0.07	0.14	0.16	0.04	0.03	0
31058	Toronto	Mosley/Leslie St.	111	0.03	0.08	0.14	0.21	0.39	0.56	0.73	0.18	0.12	0
31065	Toronto	633 Eastern Ave., A.R. Clarke Co	57	0.01	0.02	0.05	0.08	0.11	0.19	0.22	0.06	0.04	0
31082	Toronto	138 Hamilton Ave., Works Dept.	118	0.01	0.01	0.02	0.04	0.06	0.09	0.1	0.03	0.02	0
46047	Mississauga	Mississauga Rd. S. Port St.	53	0.28	0.53	0.97	1.81	4.70	7.42	8.90	1.75	1.03	15
46117	Mississauga	Apple Lane, Meadow Park	30	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.02	0.01	0
71042	Sault Ste. Marie	Bonney St., Pump House	59	0.01	0.01	0.01	0.02	0.03	0.14	0.15	0.02	0.02	0

Table 33: Vanadium (V) in TSP Statistics (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)V 24-hour AAQC is $2.0 \mu\text{g}/\text{m}^3$

ID	City	Location	# of Samples	P E R C E N T I L E S						Arith.		Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max.	Mean		
12007	Windsor	Wright Water St.	54	0.001	0.001	0.005	0.016	0.032	0.048	0.051	0.012	0.006	0
12008	Windsor Downtown	467 University Ave. W.	52	0.001	0.002	0.006	0.009	0.029	0.054	0.059	0.010	0.005	0
12011	Windsor	Drouillard Rd./Richmond St.	48	0.001	0.001	0.008	0.016	0.024	0.049	0.053	0.011	0.005	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	45	0.001	0.001	0.006	0.015	0.021	0.032	0.032	0.009	0.005	0
12016	Windsor West	College/South St.	53	0.001	0.001	0.007	0.010	0.021	0.029	0.033	0.008	0.004	0
12038	Windsor	2885 Howard Ave.	39	0.004	0.008	0.012	0.019	0.030	0.045	0.048	INS	INS	0
12058	Windsor	Columbus Cir.	51	0.001	0.001	0.005	0.013	0.021	0.033	0.040	0.008	0.004	0
12061	Windsor	City Yard	50	0.001	0.002	0.005	0.009	0.019	0.043	0.044	0.009	0.005	0
14016	Courtright	HWY 40 (opposite OFG)	48	0.001	0.002	0.008	0.019	0.027	0.086	0.092	0.015	0.007	0
15025	London	900 Highbury Ave.	50	0.001	0.001	0.001	0.007	0.010	0.019	0.020	0.005	0.003	0
27052	Thorold	185 Queen St. S.	50	0.001	0.003	0.009	0.012	0.018	0.039	0.040	0.010	0.006	0
27057	St. Catharines	27 Plymouth Ave.	57	0.001	0.002	0.007	0.011	0.027	0.045	0.046	0.011	0.006	0
27081	Thorold	Beaverdam's Collier	55	0.001	0.001	0.002	0.007	0.013	0.028	0.030	0.006	0.003	0
27082	Niagara Falls	7401 Portage Rd.	42	0.001	0.001	0.005	0.010	0.018	0.025	0.027	0.007	0.004	0
27083	Port Colborne	Rodney Davis	24	0.001	0.001	0.001	0.006	0.01	0.013	0.013	INS	INS	0
27084	St. Catharines	10 Hemlock St.	15	0.001	0.001	0.001	0.001	0.002	0.004	0.004	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	14	0.001	0.001	0.001	0.007	0.013	0.016	0.016	INS	INS	0
29011	Hamilton	Burlington Leeds	53	0.001	0.005	0.012	0.018	0.039	0.070	0.078	0.016	0.009	0
29012	Hamilton	Burlington Wellington St.	41	0.001	0.003	0.008	0.012	0.020	0.024	0.024	0.009	0.006	0
29025	Hamilton	Barton/Sanford	58	0.001	0.001	0.006	0.013	0.034	0.050	0.064	0.012	0.005	0
29102	Hamilton	467 Beach Blvd.	53	0.001	0.001	0.006	0.011	0.026	0.040	0.043	0.010	0.005	0
29114	Hamilton Mountain	Vickers Rd. E. 18th St.	52	0.001	0.001	0.005	0.011	0.020	0.024	0.026	0.008	0.004	0
46117	Mississauga	Apple Lane, Meadow Park	50	0.001	0.001	0.001	0.003	0.006	0.014	0.015	0.003	0.002	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	59	0.001	0.012	0.021	0.027	0.048	0.058	0.059	0.023	0.014	0

Table 34: Nitrate (NO₃) in TSP Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright Water St.	54	1.90	2.80	4.10	6.20	9.70	17.60	17.80	5.30	4.30
12008	Windsor Downtown	467 University Ave. W.	52	2.00	3.50	5.80	9.60	18.90	24.70	27.30	8.00	5.80
12016	Windsor West	College South St.	53	2.00	3.00	4.20	5.90	9.70	18.20	18.80	5.40	4.40
12038	Windsor	2885 Howard Ave.	39	1.40	2.20	3.40	5.00	9.10	16.80	18.70	INS	INS
12058	Windsor	Columbus Ctr.	51	2.10	2.90	4.50	6.20	9.80	18.40	20.30	5.50	4.50
14016	Courtright	HWY 40 (opposite OPG)	49	1.30	2.00	4.20	5.70	10.40	19.80	20.90	5.40	4.10
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	56	1.50	2.50	3.90	5.40	11.90	18.40	19.50	5.20	3.90
29011	Hamilton	Burlington/Leeds	53	1.40	2.20	3.70	5.60	13.90	17.50	18.60	5.50	4.00
29025	Hamilton	Barton/Sanford	58	1.90	2.80	4.40	6.40	13.00	18.50	18.70	5.90	4.60
29102	Hamilton	467 Beach Blvd.	53	1.50	2.30	3.60	5.30	11.40	18.40	19.10	5.20	3.90
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	53	1.70	2.60	4.30	6.40	13.00	18.40	19.10	6.00	4.50

Table 35: Sulphate (SO₄²⁻) in TSP Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright Water St.	54	11.30	15.00	17.70	19.10	22.10	30.20	30.50	17.30	16.70
12008	Windsor Downtown	467 University Ave. W.	52	8.50	12.90	15.20	20.80	27.20	35.30	35.40	17.30	15.70
21016	Windsor West	College South St.	53	8.30	13.00	14.30	17.30	22.10	27.50	28.80	15.40	14.60
12038	Windsor	2885 Howard Ave.	39	6.10	12.10	13.20	16.80	20.40	22.90	23.30	INS	INS
12058	Windsor	Columbus Ctr.	51	8.30	12.40	14.10	16.70	21.10	25.00	25.60	14.70	13.80
14016	Courtright	HWY 40 (opposite OPG)	49	7.80	11.80	14.60	16.80	20.50	24.40	25.20	14.40	13.50
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	56	9.70	12.20	15.10	17.10	22.70	30.70	34.20	15.70	14.90
29011	Hamilton	Burlington/Leeds	53	8.50	11.10	13.90	15.90	20.40	25.60	27.60	14.20	13.40
29025	Hamilton	Barton/Sanford	58	8.90	11.70	13.90	16.20	22.10	26.80	29.50	14.70	14.00
29102	Hamilton	467 Beach Blvd.	53	10.20	12.90	15.80	19.10	23.90	28.50	28.60	16.60	15.70
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	53	6.90	11.40	14.00	17.00	20.50	24.40	26.80	14.30	13.30

Table 36: Inhalable Particles (PM₁₀) 24-Hour Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

PM₁₀ 24-hour Interim AAQC is 50 µg/m³

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom.		# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max.	Mean	Max.	Mean	Above Criterion	
12507	Windsor	Wright Water St.	53	11	16	20	23	31	58	61	22.0	61	20.2	20.2	2
12508	Windsor	467 University Ave. W.	49	14	21	25	34	51	72	79	29.4	79	29.4	26.1	6
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	14	20	29	38	58	90	95	32.8	95	32.8	28.2	8
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	48	11	15	18	21	29	44	46	19.6	46	19.6	18.1	0
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	12	20	23	27	36	59	64	25.2	64	25.2	23.1	2
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	8	12	14	19	27	43	48	16.9	48	16.9	15.1	0
14550	Sarnia	6th Line, Moore Township	51	8	13	16	19	31	45	46	17.6	46	17.6	15.0	0
14564	Sarnia	Front St. CN Tracks, Centennial Park	51	7	11	16	21	27	46	49	17.5	49	17.5	15.0	0
15525	London	900 Highbury Ave.	54	7	12	17	23	34	57	68	20.0	68	20.0	17.0	1
17550	Beachville	Earl Lantz Property	52	10	15	19	27	41	90	104	25.1	104	25.1	20.7	4
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	6	11	14	19	30	56	58	17.3	58	17.3	14.4	2
27308	St. Catharines	71 King St.	58	12	16	20	29	38	52	53	23.2	53	23.2	20.7	2
27352	Thorold	185 Queen St. S.	47	10	17	22	27	38	56	58	23.6	58	23.6	20.9	2
27383	Port Colborne	Rodney Davis	23	12	14	16	24	34	60	66	INS	66	INS	INS	1
29300	Hamilton	Elgin Kelly St.	59	10	15	21	29	48	70	74	25.4	74	25.4	21.6	4
29302	Hamilton	467 Beach Blvd.	55	13	19	25	34	43	71	79	27.7	79	27.7	24.8	3
29313	Hamilton	Gertrude Depew St.	50	13	22	28	36	59	94	101	33.8	101	33.8	28.8	8
29314	Hamilton	Vickers Rd./E. 18th St.	54	8	11	17	21	34	46	52	19.2	52	19.2	16.7	1
35127	Etobicoke	185 Judson St.	49	10	15	21	26	35	62	65	22.9	65	22.9	20.2	2
44127	Oakville	Brome Rd./Woburn Cres.	57	10	12	17	22	39	58	60	20.8	60	20.8	18.1	2
46127	Mississauga	Apple Lane, Meadowood Park	57	10	12	17	22	31	49	50	19.7	50	19.7	17.8	0
62201	Fort Frances	Armit Ave./4th St., Rober Moore P.S.	28	10	11	15	19	28	45	48	INS	48	INS	INS	0
63201	Thunder Bay	615 James St. S., MTO	60	10	13	17	21	27	34	35	17.9	35	17.9	16.5	0
71342	Sault Ste. Marie	Bonney St., Pumphouse	59	11	18	27	47	76	106	119	36.6	119	36.6	28.7	15
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	7	10	14	21	32	55	61	17.9	61	17.9	14.7	2
77326	Sudbury	19 Lisgar St.	57	6	10	14	17	27	37	42	15.2	42	15.2	13.3	0
77570	Copper Cliff	Market St.	59	7	10	13	16	22	33	37	14.2	37	14.2	12.7	0

Table 37: Copper (Cu) in PM₁₀ Statistics (2001)Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S						Arith.		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean	
12507	Windsor	Wright Water St.	53	0.005	0.005	0.005	0.010	0.024	0.080	0.080	0.012	0.009
12508	Windsor	467 University Ave. W.	49	0.005	0.010	0.015	0.025	0.040	0.068	0.070	0.021	0.015
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.005	0.005	0.010	0.015	0.025	0.027	0.030	0.012	0.010
12556	Windsor	1400 Rosclaw Dr., St. Gabriel S.S.	49	0.005	0.005	0.005	0.007	0.026	0.050	0.055	0.012	0.008
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.005	0.005	0.005	0.005	0.014	0.082	0.095	0.010	0.007
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.005	0.005	0.005	0.005	0.010	0.015	0.015	0.006	0.006
14550	Sarnia	6th Line, Moore Township	52	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.005	0.005	0.005	0.015	0.025	0.030	0.030	0.011	0.009
15525	London	909 Highbury Ave.	54	0.005	0.011	0.035	0.054	0.104	0.129	0.140	0.043	0.025
17550	Beachville	Earl Lantz Property	52	0.005	0.005	0.005	0.005	0.010	0.084	0.110	0.010	0.007
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	56	0.005	0.005	0.005	0.005	0.010	0.249	0.260	0.022	0.007
27308	St. Catharines	71 King St.	58	0.005	0.005	0.005	0.010	0.015	0.022	0.025	0.008	0.007
27352	Thorold	185 Queen St. S.	48	0.005	0.005	0.015	0.020	0.036	0.073	0.080	0.018	0.012
27383	Port Colborne	Rodney/Davis	23	0.005	0.015	0.083	0.180	0.234	0.422	0.470	INS	INS
29300	Hamilton	Elgin Kelly St.	59	0.010	0.015	0.025	0.037	0.071	0.115	0.150	0.035	0.026
29302	Hamilton	467 Beach Blvd.	55	0.005	0.010	0.015	0.020	0.028	0.037	0.040	0.016	0.014
29313	Hamilton	Gertrude/Depew St.	50	0.005	0.005	0.010	0.020	0.060	0.110	0.140	0.022	0.014
29314	Hamilton	Vickers Rd./E. 18th St.	54	0.005	0.005	0.005	0.010	0.015	0.034	0.050	0.009	0.007
35127	Etobicoke	185 Judson St.	49	0.005	0.005	0.010	0.015	0.030	0.048	0.060	0.013	0.011
44127	Oakville	Bronte Rd./Woburn Cres.	58	0.005	0.005	0.005	0.013	0.020	0.030	0.030	0.010	0.009
46127	Mississauga	Apple Lane, Meadowood Park	57	0.010	0.015	0.030	0.050	0.070	0.090	0.090	0.037	0.028
62201	Fort Frances	Armit Ave./4th St., Rober Moore P.S.	28	0.005	0.005	0.010	0.015	0.020	0.042	0.050	INS	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.005	0.005	0.005	0.015	0.030	0.059	0.065	0.014	0.010
71342	Sault Ste. Marie	Bonney St., PumpHouse	59	0.005	0.005	0.005	0.010	0.015	0.020	0.020	0.008	0.007
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.005	0.010	0.010	0.015	0.020	0.027	0.030	0.012	0.011
77326	Sudbury	19 Lasgar St.	57	0.005	0.010	0.020	0.078	0.185	0.465	0.550	0.075	0.028
77570	Copper Cliff	Market St.	60	0.010	0.020	0.045	0.085	0.260	0.942	1.200	0.115	0.047

Table 38: Iron (Fe) in PM₁₀ Statistics (2001)
Unit: micrograms per cubic metre (µg/m³)

IID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean		
12507	Windsor	Wright Water St.	53	0.26	0.38	0.60	0.70	0.97	1.65	1.70	0.62	0.52	
12508	Windsor Downtown	467 University Ave. W.	49	0.22	0.43	0.59	0.75	1.04	2.40	2.50	0.69	0.56	
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.22	0.40	0.80	1.86	3.36	6.43	7.40	1.41	0.84	
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.14	0.20	0.24	0.40	0.49	0.69	0.72	0.30	0.26	
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.17	0.30	0.37	0.52	0.79	1.07	1.20	0.43	0.37	
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.07	0.12	0.18	0.26	0.41	0.71	0.90	0.22	0.17	
14550	Sarnia	6th Line, Moore Township	52	0.02	0.08	0.12	0.16	0.26	1.13	1.70	0.17	0.11	
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.04	0.10	0.13	0.21	0.39	0.92	1.40	0.19	0.13	
15525	London	900 Highbury Ave.	54	0.08	0.12	0.18	0.32	0.46	0.94	1.30	0.25	0.19	
17550	Beachville	Earl Lantz Property	52	0.04	0.08	0.14	0.20	0.33	1.65	1.70	0.24	0.14	
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	56	0.03	0.10	0.14	0.22	0.46	1.42	1.70	0.23	0.14	
27308	St. Catharines	71 King St.	58	0.10	0.14	0.22	0.31	0.44	0.95	0.98	0.26	0.21	
27352	Thorold	185 Queen St. S.	48	0.09	0.24	0.34	0.43	0.70	1.41	1.70	0.39	0.31	
27383	Port Colborne	Rodney/Davis	23	0.13	0.20	0.26	0.41	1.17	2.38	2.70	INS	INS	
29300	Hamilton Downtown	Elgin/Kelly St.	59	0.18	0.26	0.36	0.78	2.61	4.37	4.90	0.88	0.49	
29302	Hamilton	467 Beach Blvd.	55	0.11	0.58	1.10	1.75	2.30	2.85	2.90	1.21	0.79	
29313	Hamilton	Gertrude/Depew St.	50	0.28	0.58	1.30	2.50	4.70	11.75	15.00	2.22	1.26	
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	54	0.07	0.12	0.20	0.33	1.06	2.07	2.50	0.41	0.24	
35127	Eriebecke South	185 Judson St.	49	0.17	0.27	0.34	0.49	0.76	1.25	1.30	0.43	0.35	
44127	Oakville	Bronte Rd./Woburn Cres.	58	0.14	0.21	0.28	0.42	0.82	1.40	1.40	0.40	0.30	
46127	Mississauga	Apple Lane, Meadowood Park	57	0.08	0.12	0.16	0.28	0.46	1.36	1.70	0.26	0.18	
62201	Fort Frances	Armit Ave./4th St., Rober Moore P.S.	28	0.04	0.10	0.16	0.47	0.86	1.24	1.30	INS	INS	
63201	Thunder Bay	615 James St. S., MTO	60	0.12	0.24	0.38	0.66	1.30	2.14	2.80	0.59	0.40	
71342	Sault Ste. Marie	Bonney St., Pumphouse	59	0.25	0.70	1.50	3.02	6.16	12.41	13.00	2.64	1.38	
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.06	0.13	0.26	0.63	1.64	3.20	3.20	0.62	0.30	
77326	Sudbury	19 Lisgar St.	57	0.06	0.16	0.27	0.38	0.75	1.96	2.30	0.39	0.26	
77570	Copper Cliff	Market St.	60	0.08	0.12	0.22	0.38	1.00	1.34	1.70	0.37	0.24	

Table 39: Manganese (Mn) in PM₁₀ Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S						Arith.		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean	
12507	Windsor	Wright Water St.	53	0.005	0.010	0.016	0.018	0.025	0.059	0.074	0.017	0.014
12508	Windsor	467 University Ave. W.	49	0.008	0.012	0.020	0.025	0.040	0.071	0.072	0.023	0.018
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.005	0.012	0.034	0.108	0.256	0.455	0.520	0.093	0.038
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.004	0.008	0.008	0.012	0.020	0.026	0.028	0.011	0.009
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.006	0.010	0.012	0.016	0.027	0.034	0.034	0.014	0.012
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.002	0.004	0.006	0.010	0.015	0.023	0.026	0.008	0.006
14550	Sarnia	6th Line, Moore Township	52	0.002	0.002	0.004	0.006	0.012	0.044	0.072	0.007	0.005
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.002	0.002	0.005	0.010	0.016	0.032	0.040	0.008	0.005
15525	London	900 Highbury Ave.	54	0.002	0.006	0.008	0.014	0.023	0.056	0.060	0.012	0.008
17550	Beachville	Earl Lantz Property	52	0.002	0.002	0.004	0.008	0.024	0.064	0.072	0.010	0.005
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	56	0.002	0.004	0.008	0.012	0.024	0.054	0.072	0.011	0.008
27308	St. Catharines	71 King St.	58	0.004	0.008	0.010	0.014	0.020	0.047	0.048	0.013	0.010
27352	Thorold	185 Queen St. S.	48	0.008	0.014	0.020	0.026	0.039	0.074	0.076	0.023	0.019
27383	Port Colborne	Rodney Davis	23	0.004	0.006	0.012	0.018	0.026	0.043	0.046	INS	INS
29300	Hamilton	Elgin-Kelly St.	59	0.008	0.014	0.020	0.044	0.160	0.535	0.730	0.067	0.029
29302	Hamilton	467 Beach Blvd.	55	0.006	0.033	0.060	0.084	0.140	0.180	0.180	0.067	0.042
29313	Hamilton	Gertrude Depew St.	50	0.014	0.040	0.072	0.140	0.280	0.940	1.400	0.139	0.073
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	54	0.004	0.008	0.012	0.022	0.060	0.092	0.098	0.022	0.013
35127	Etobicoke South	185 Judson St.	49	0.004	0.011	0.018	0.023	0.028	0.049	0.058	0.018	0.015
44127	Oakville	Bronte Rd./Woburn Cres.	58	0.004	0.008	0.012	0.016	0.033	0.054	0.062	0.016	0.012
46127	Mississauga	Apple Lane, Meadowood Park	57	0.002	0.006	0.008	0.010	0.023	0.058	0.072	0.011	0.008
62201	Fort Frances	Armit Ave./4th St., Robt Moore P.S.	28	0.002	0.002	0.002	0.009	0.018	0.033	0.034	INS	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.004	0.008	0.014	0.020	0.036	0.068	0.072	0.019	0.013
71342	Sault Ste. Marie	Borney St., Pumphouse	59	0.012	0.043	0.073	0.173	0.301	0.532	0.620	0.132	0.072
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.002	0.008	0.018	0.029	0.076	0.231	0.260	0.034	0.017
77326	Sudbury	19 Lugat St.	57	0.002	0.004	0.008	0.012	0.033	0.065	0.072	0.013	0.008
77570	Copper Cliff	Market St.	60	0.002	0.002	0.004	0.008	0.012	0.024	0.026	0.006	0.005

Table 40: Lead (Pb) in PM₁₀ Statistics (2001)
Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean	Max.	
12507	Windsor	Wright Water St.	53	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.01	0.04	0.01
12508	Windsor Downtown	467 University Ave. W.	49	0.01	0.01	0.01	0.02	0.03	0.05	0.05	0.02	0.05	0.01
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.01	0.01	0.01	0.02	0.04	0.05	0.05	0.02	0.05	0.01
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.03	0.01
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.03	0.01
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.03	0.01
14550	Sarnia	6th Line, Moore Township	52	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.03	0.01
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.01	0.05	0.01
15525	London	900 Highbury Ave.	54	0.01	0.01	0.01	0.01	0.01	0.03	0.04	0.01	0.04	0.01
17580	Beachville	Earl Lantz Property	52	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.01	0.05	0.01
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	56	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.01	0.04	0.01
27308	St. Catharines	71 King St.	58	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.03	0.01
27352	Thorold	185 Queen St. S.	48	0.01	0.01	0.01	0.02	0.04	0.08	0.09	0.02	0.09	0.01
27383	Port Colborne	Rodney Davis	23	0.01	0.01	0.01	0.02	0.03	0.06	0.07	INS	0.07	INS
29300	Hamilton Downtown	Elgin Kelly St.	59	0.01	0.01	0.01	0.02	0.06	0.08	0.09	0.02	0.09	0.02
29302	Hamilton	467 Beach Blvd.	55	0.01	0.01	0.02	0.03	0.04	0.05	0.05	0.02	0.05	0.02
29313	Hamilton	Gertrude/Despew St.	50	0.01	0.01	0.01	0.02	0.05	0.14	0.15	0.02	0.15	0.02
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	54	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.01	0.04	0.01
35127	Enochville South	185 Judson St.	49	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.01	0.05	0.01
44127	Oakville	Bronte Rd./Webb Cres.	58	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.01
46127	Mississauga	Apple Lane, Meadowood Park	57	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.01
62201	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	28	0.01	0.01	0.01	0.01	0.01	0.01	0.01	INS	0.01	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.01
71342	Sault Ste. Marie	Bonney St., PumpHouse	59	0.01	0.01	0.01	0.01	0.03	0.04	0.05	0.02	0.05	0.01
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.03	0.01
77326	Sudbury	19 Lisgar St.	57	0.01	0.01	0.01	0.02	0.05	0.10	0.11	0.02	0.11	0.02
77570	Copper Cliff	Market St.	60	0.01	0.01	0.01	0.01	0.05	0.13	0.14	0.02	0.14	0.02

Table 41: Chromium (Cr) in PM₁₀ Statistics (2001)
Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Downtown	57	0.002	0.002	0.004	0.004	0.008	0.010	0.010	0.004	0.004
12508	Windsor	467 University Ave. W.	49	0.002	0.002	0.004	0.006	0.012	0.012	0.012	0.005	0.004
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.002	0.004	0.008	0.012	0.026	0.052	0.052	0.011	0.007
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.003	0.002
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.002	0.002	0.002	0.002	0.006	0.012	0.012	0.003	0.003
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.002	0.002	0.002	0.002	0.004	0.006	0.006	0.003	0.002
14550	Sarnia	6th Line, Moore Township	52	0.002	0.002	0.002	0.002	0.004	0.009	0.012	0.003	0.002
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.002	0.002	0.002	0.002	0.004	0.009	0.010	0.003	0.003
15525	London	900 Highbury Ave.	54	0.002	0.002	0.002	0.004	0.005	0.017	0.022	0.003	0.003
17550	Beachville	Earl Lantz Property	52	0.002	0.002	0.002	0.004	0.006	0.013	0.014	0.004	0.003
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	56	0.002	0.002	0.004	0.004	0.006	0.013	0.014	0.004	0.003
27308	St. Catharines	71 King St.	58	0.002	0.002	0.002	0.004	0.006	0.013	0.014	0.003	0.003
27352	Thorold	185 Queen St. S.	48	0.002	0.004	0.008	0.013	0.021	0.038	0.038	0.011	0.008
27383	Port Colborne	Rodney Davis	23	0.002	0.002	0.002	0.004	0.007	0.008	0.008	INS	INS
29300	Hamilton	Elgin Kelly St.	59	0.002	0.002	0.004	0.006	0.018	0.041	0.048	0.007	0.004
29302	Hamilton	467 Beach Blvd.	55	0.002	0.004	0.008	0.010	0.016	0.018	0.018	0.008	0.007
29313	Hamilton	Gertrude Depew St.	50	0.002	0.006	0.012	0.026	0.038	0.090	0.110	0.020	0.012
29314	Hamilton	Vickers Rd. E. 18th St.	54	0.002	0.002	0.004	0.004	0.008	0.017	0.020	0.004	0.004
35127	Etobicoke	185 Judson St.	49	0.002	0.002	0.003	0.004	0.006	0.011	0.012	0.004	0.003
44127	Oakville	Bronte Rd. Webburn Cres.	58	0.002	0.002	0.002	0.004	0.008	0.013	0.014	0.004	0.003
46127	Mississauga	Apple Lane, Meadowswood Park	57	0.002	0.002	0.002	0.004	0.006	0.010	0.012	0.003	0.003
62201	Fort Frances	Armit Ave./4th St., Rober Moore P.S.	28	0.002	0.002	0.002	0.002	0.006	0.009	0.010	INS	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.002	0.002	0.002	0.004	0.006	0.010	0.012	0.003	0.003
71342	Sault Ste. Marie	Bonney St., Pumphouse	59	0.002	0.004	0.008	0.013	0.028	0.045	0.050	0.012	0.007
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.002	0.002	0.002	0.004	0.008	0.018	0.020	0.005	0.003
77326	Sudbury	19 Lisgar St.	57	0.002	0.002	0.002	0.004	0.017	0.028	0.030	0.005	0.003
77570	Copper Cliff	Market St.	60	0.002	0.002	0.002	0.004	0.008	0.012	0.014	0.004	0.003

Table 42: Cadmium (Cd) in PM₁₀ Statistics (2001)

Unit: nanograms per cubic metre (ng/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom.
				10%	30%	50%	70%	90%	99%	Max.	Mean	Mean	
12507	Windsor	Wright Water St.	53	0.150	0.199	0.295	0.400	0.494	2.871	2.940	0.401	0.300	
12508	Windsor	467 University Ave. W.	49	0.137	0.247	0.325	0.493	0.841	1.377	1.710	0.428	0.334	
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.124	0.292	0.380	0.576	1.206	8.675	11.100	0.831	0.431	
12556	Windsor	1400 Roselawn Dr. St. Gabriel S.S.	49	0.079	0.150	0.210	0.263	0.420	0.511	0.550	0.224	0.194	
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.076	0.170	0.220	0.291	0.404	0.589	0.610	0.239	0.219	
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.050	0.150	0.170	0.218	0.296	0.389	0.400	0.180	0.173	
14550	Sarnia	6th Line, Moore Township	52	0.052	0.106	0.180	0.230	0.320	1.202	1.920	0.216	0.171	
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.061	0.113	0.175	0.240	0.460	0.654	0.710	0.212	0.175	
15525	London	900 Highbury Ave.	54	0.074	0.140	0.180	0.284	0.374	1.774	1.850	0.281	0.196	
17550	Beachville	Earl Lantz Prop.	52	0.070	0.150	0.190	0.260	0.428	1.421	1.520	0.267	0.193	
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	56	0.052	0.098	0.150	0.210	0.442	0.694	0.840	0.196	0.143	
27308	St. Catharines	71 King St.	58	0.078	0.110	0.180	0.246	0.414	1.412	2.520	0.247	0.179	
27352	Thorold	185 Queen St. S.	48	0.068	0.120	0.150	0.250	0.392	0.613	0.680	0.210	0.166	
27383	Port Colborne	Rodney/Davis	23	0.082	0.129	0.185	0.241	0.342	0.637	0.690	INS	INS	
29300	Hamilton	Elgin/Kelly St.	59	0.080	0.157	0.255	0.516	0.860	2.158	2.400	0.422	0.281	
29302	Hamilton	467 Beach Blvd.	55	0.120	0.235	0.325	0.425	0.730	1.164	1.230	0.389	0.318	
29313	Hamilton	Gertrude/Depew St.	50	0.120	0.230	0.370	0.490	0.890	4.055	5.720	0.571	0.383	
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	54	0.070	0.110	0.170	0.276	0.422	0.940	1.080	0.230	0.172	
35127	Etobicoke South	185 Judson St.	49	0.080	0.110	0.180	0.243	0.420	0.881	1.190	0.226	0.180	
44127	Oakville	Bronte Rd./Woburn Cres.	58	0.090	0.130	0.180	0.256	0.446	0.878	1.040	0.238	0.190	
46127	Mississauga	Apple Lane, Meadowood Park	57	0.084	0.131	0.190	0.269	0.470	0.901	1.260	0.252	0.195	
62201	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	28	0.020	0.044	0.080	0.096	0.190	0.437	0.490	INS	INS	
63201	Thunder Bay	615 James St. S., MTO	60	0.050	0.100	0.120	0.160	0.200	0.356	0.380	0.132	0.109	
71342	Sault Ste. Marie	Bonney St., Pumphouse	59	0.049	0.090	0.120	0.213	0.343	0.559	0.600	0.169	0.132	
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.050	0.090	0.130	0.166	0.314	0.400	0.400	0.152	0.123	
77326	Sudbury	19 Lisgar St.	57	0.070	0.171	0.410	0.677	2.059	2.651	3.050	0.685	0.387	
77570	Copper Cliff	Market St.	60	0.070	0.100	0.200	0.370	0.830	6.314	7.250	0.575	0.240	

Table 43: Vanadium (V) in PM₁₀ Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S							A r i t h .		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean		
12507	Windsor	Wright Water St.	53	0.005	0.005	0.005	0.005	0.010	0.012	0.015	0.006	0.006	0.006
12508	Windsor	467 University Ave. W.	49	0.005	0.005	0.005	0.005	0.015	0.025	0.025	0.008	0.007	0.007
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.005	0.005	0.005	0.010	0.015	0.015	0.015	0.008	0.007	0.007
12556	Windsor	1400 Rosclaw Dr., St. Gabriel S.S.	49	0.005	0.005	0.005	0.005	0.005	0.013	0.015	0.006	0.005	0.005
12559	Windsor	5305 Adair Ave., St. Alexander S.S.	53	0.005	0.005	0.005	0.005	0.010	0.015	0.015	0.006	0.006	0.006
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.005	0.005	0.005	0.010	0.020	0.020	0.020	0.006	0.006	0.006
14550	Sarnia	6th Line, Moore Township	52	0.005	0.005	0.005	0.005	0.024	0.054	0.070	0.010	0.007	0.007
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.005	0.005	0.005	0.010	0.020	0.092	0.095	0.012	0.008	0.008
15525	London	900 Highbury Ave	54	0.005	0.005	0.005	0.005	0.010	0.015	0.020	0.006	0.006	0.006
17550	Beachville	Earl Lantz Property	52	0.005	0.005	0.005	0.005	0.010	0.010	0.010	0.006	0.006	0.006
22304	Nanticoke	Sandask Rd., Walpole South P.S.	56	0.005	0.005	0.005	0.005	0.010	0.010	0.010	0.006	0.006	0.006
27308	St. Catharines	71 King St.	58	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005	0.005
27352	Thorold	185 Queen St. S.	48	0.005	0.005	0.005	0.005	0.010	0.015	0.015	0.006	0.006	0.006
27383	Port Colborne	Rodney Davis	23	0.005	0.005	0.005	0.005	0.009	0.010	0.010	INS	INS	INS
29300	Hamilton	Elgin Kelly St.	59	0.005	0.005	0.005	0.007	0.015	0.022	0.025	0.008	0.007	0.007
29302	Hamilton	467 Beach Blvd.	55	0.005	0.005	0.005	0.010	0.015	0.017	0.020	0.008	0.007	0.007
29313	Hamilton	Gertrude Depew St.	50	0.005	0.005	0.005	0.010	0.015	0.025	0.030	0.008	0.007	0.007
29314	Hamilton	Vickers Rd./E. 18th St.	54	0.005	0.005	0.005	0.005	0.010	0.012	0.015	0.006	0.006	0.006
35127	Esbicoke South	185 Judson St.	49	0.005	0.005	0.005	0.005	0.006	0.010	0.010	0.006	0.005	0.005
44127	Oakville	Bronte Rd./Woburn Cres.	58	0.005	0.005	0.005	0.005	0.005	0.015	0.015	0.006	0.005	0.005
46127	Mississauga	Apple Lane, Meadowood Park	57	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005	0.005
62201	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	28	0.005	0.005	0.005	0.005	0.005	0.005	0.005	INS	INS	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.006	0.005	0.005
71342	Sault Ste. Marie	Bonney St., Pumphouse	59	0.005	0.005	0.005	0.010	0.020	0.024	0.030	0.009	0.008	0.008
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.005	0.005	0.005	0.005	0.010	0.015	0.015	0.006	0.006	0.006
77326	Sudbury	19 Lascar St.	57	0.005	0.005	0.005	0.005	0.010	0.030	0.030	0.007	0.006	0.006
77570	Copper Cliff	Market St.	60	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005	0.005

Table 44: Nickel (Ni) in PM₁₀ Statistics (2001)
Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom. Mean
				10%	20%	30%	50%	70%	90%	99%	Max.	Mean	
12507	Windsor	Wright Water St.	53	0.002	0.002	0.002	0.002	0.002	0.004	0.014	0.016	0.003	0.002
12508	Windsor Downtown	467 University Ave. W.	49	0.002	0.002	0.002	0.002	0.002	0.008	0.023	0.034	0.004	0.003
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.002	0.002	0.002	0.002	0.002	0.006	0.010	0.010	0.003	0.003
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.002	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.002	0.002
12559	Windsor	5305 Adair Ave., St. Alexander S.S.	53	0.002	0.002	0.002	0.002	0.002	0.003	0.005	0.006	0.002	0.002
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
14550	Sarnia	6th Line, Moore Township	52	0.002	0.002	0.002	0.002	0.002	0.006	0.024	0.036	0.004	0.003
14564	Sarnia	Front St. CN Tracks, Centennial Park	51	0.002	0.002	0.002	0.002	0.002	0.010	0.028	0.030	0.004	0.003
15525	London	900 Highbury Ave.	54	0.002	0.002	0.002	0.002	0.002	0.002	0.006	0.008	0.002	0.002
17550	Beachville	Earl Lantz Property	52	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
22304	Nanticoke	Sanduski Rd., Walpole South P.S.	56	0.002	0.002	0.002	0.002	0.002	0.002	0.006	0.008	0.002	0.002
27308	St. Catharines	71 King St.	58	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
27352	Thorold	185 Queen St. S.	48	0.002	0.002	0.002	0.002	0.002	0.002	0.006	0.006	0.002	0.002
27383	Port Colborne	Rodney Davis	23	0.002	0.002	0.002	0.002	0.004	0.010	0.023	0.026	INS	INS
29300	Hamilton Downtown	Elgin Kelly St.	59	0.002	0.002	0.002	0.002	0.002	0.002	0.008	0.008	0.002	0.002
29302	Hamilton	467 Beach Blvd.	55	0.002	0.002	0.002	0.002	0.002	0.004	0.008	0.008	0.003	0.003
29313	Hamilton	Gertrude Depew St.	50	0.002	0.002	0.002	0.002	0.002	0.008	0.021	0.024	0.004	0.003
29314	Hamilton Mountain	Vickers Rd. E. 18th St.	54	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
35127	Etobicoke South	185 Judson St.	49	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
44127	Oakville	Brentie Rd. Weburn Cres.	58	0.002	0.002	0.002	0.002	0.002	0.002	0.006	0.006	0.002	0.002
46127	Mississauga	Apple Lane, Meadowood Park	57	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.002	0.002
62201	Fort Frances	Armit Ave. 4th St., Rober Moore P.S.	28	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	INS	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.002	0.002
71342	Sault Ste. Marie	Bonney St., Pumphouse	59	0.002	0.002	0.002	0.002	0.002	0.004	0.007	0.008	0.003	0.002
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
77326	Sudbury	19 Lisgar St.	57	0.002	0.002	0.011	0.046	0.094	0.186	0.220	0.315	0.013	0.013
77570	Copper Cliff	Market St.	60	0.006	0.016	0.038	0.060	0.160	0.364	0.370	0.062	0.062	0.032

Table 45: Calcium (Ca) in PM₁₀ Statistics (2001)

Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith. Geom.	
				10%	30%	50%	70%	90%	99%	Max.	Mean	Mean
12507	Windsor	Wright Water St.	53	0.22	0.50	0.73	0.95	1.20	2.09	2.20	0.75	0.60
12508	Windsor Downtown	467 University Ave. W.	49	0.50	0.69	0.95	1.20	1.80	4.05	4.20	1.14	0.91
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.27	0.40	0.70	1.20	2.12	3.41	3.90	0.97	0.68
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.15	0.25	0.50	0.60	0.90	1.61	2.00	0.50	0.39
12559	Windsor	5305 Adair Ave., St. Alexander S.S.	53	0.27	0.55	0.93	1.40	1.80	2.80	2.80	1.04	0.78
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.05	0.20	0.30	0.45	0.68	1.29	1.40	0.37	0.27
14550	Sarnia	6th Line, Moore Township	52	0.05	0.10	0.20	0.40	0.69	0.95	0.95	0.30	0.20
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.05	0.20	0.33	0.55	0.75	1.80	1.80	0.42	0.30
15525	London	900 Highbury Ave.	54	0.09	0.35	0.60	1.10	2.36	4.55	5.90	1.01	0.58
17550	Beachville	Earl Lantz Property	52	0.16	0.45	1.20	2.00	3.36	13.36	17.00	1.91	0.96
22304	Nanticoke	Sanduski Rd., Walpole South P.S.	56	0.05	0.25	0.35	0.45	0.67	1.00	1.00	0.37	0.28
27308	St. Catharines	71 King St.	58	0.10	0.32	0.50	0.70	1.20	2.37	2.60	0.64	0.46
27352	Thorold	185 Queen St. S.	48	0.19	0.35	0.50	0.65	0.90	1.55	2.10	0.54	0.46
27383	Port Colborne	Rodney Davis	23	0.20	0.25	0.33	0.46	0.82	1.07	1.10	INS	INS
29300	Hamilton Downtown	Elgin Kelly St.	59	0.30	0.49	0.70	0.92	2.11	3.73	4.20	0.97	0.72
29302	Hamilton	467 Beach Blvd.	55	0.25	0.53	0.95	1.45	2.20	3.15	3.20	1.12	0.81
29313	Hamilton	Geordie Depew St.	50	0.35	0.70	1.20	1.80	2.50	4.50	4.60	1.43	1.06
29314	Hamilton Mountain	Vickers Rd. E. 18th St.	54	0.17	0.35	0.45	0.60	1.36	1.89	2.00	0.60	0.45
35127	Essexville South	185 Judson St.	49	0.25	0.49	0.73	1.20	1.81	2.65	2.80	0.97	0.73
44127	Oakville	Bronte Rd./Wichem Cres.	58	0.09	0.35	0.50	0.78	1.32	2.44	2.50	0.68	0.45
46127	Mississauga	Apple Lane, Meadowood Park	57	0.14	0.40	0.58	1.00	2.20	3.84	4.30	0.91	0.58
62201	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	28	0.09	0.17	0.25	0.33	0.74	1.54	1.60	INS	INS
63201	Thunder Bay	615 James St. S., MTO	60	0.05	0.10	0.15	0.35	0.65	1.05	1.20	0.28	0.18
71342	Sault Ste. Marie	Bourne St., Pump House	59	0.15	0.74	1.20	2.49	6.64	13.23	15.00	2.54	1.18
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.10	0.20	0.35	0.63	1.32	4.24	4.70	0.67	0.37
77326	Sault Ste. Marie	19 Leger St.	57	0.05	0.05	0.10	0.20	0.85	1.44	1.50	0.27	0.14
77570	Copper Cliff	Market St.	60	0.05	0.05	0.10	0.15	0.30	0.50	0.65	0.14	0.11

Table 46: Zinc (Zn) in PM₁₀ Statistics (2001)Unit: micrograms per cubic metre (µg/m³)

ID	City	Location	# of Sample ^s	P E R C E N T I L E S							Max.	Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%				
12507	Windsor	Wright Water St.	53	0.015	0.050	0.068	0.120	0.154	0.315	0.320	0.091	0.065	
12508	Windsor	467 University Ave. W.	49	0.015	0.039	0.065	0.092	0.140	0.326	0.370	0.080	0.058	
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	54	0.012	0.036	0.075	0.210	0.486	0.728	0.760	0.181	0.083	
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	0.005	0.020	0.033	0.045	0.086	0.156	0.190	0.041	0.029	
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	53	0.005	0.020	0.030	0.060	0.094	0.153	0.190	0.044	0.029	
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.005	0.010	0.025	0.035	0.058	0.085	0.085	0.028	0.021	
14550	Sarnia	6th Line, Moore Township	52	0.005	0.010	0.015	0.020	0.049	0.178	0.220	0.025	0.015	
14564	Sarnia	Front St./CN Tracks, Centennial Park	51	0.005	0.015	0.025	0.045	0.070	0.374	0.440	0.046	0.024	
15525	London	900 Highbury Ave.	54	0.005	0.005	0.015	0.025	0.035	0.052	0.055	0.018	0.013	
17550	Beachville	Earl Lantz Property	52	0.005	0.005	0.015	0.020	0.035	0.098	0.140	0.019	0.012	
22304	Nanticoke	Sanduski Rd., Walpole South P.S.	56	0.005	0.005	0.020	0.030	0.044	0.118	0.140	0.024	0.016	
27308	St. Catharines	71 King St.	58	0.005	0.012	0.020	0.025	0.045	0.052	0.055	0.021	0.017	
27352	Thorold	185 Queen St. S.	48	0.005	0.015	0.020	0.025	0.040	0.099	0.140	0.023	0.019	
27383	Port Colborne	Rodney Davis	23	0.005	0.010	0.015	0.020	0.034	0.373	0.470	INS	INS	
29300	Hamilton	Elgin/Kelly St.	59	0.010	0.020	0.030	0.052	0.142	0.311	0.340	0.060	0.035	
29302	Hamilton	467 Beach Blvd.	55	0.013	0.033	0.068	0.105	0.200	0.365	0.420	0.090	0.058	
29313	Hamilton	Gettrude/Depew St.	50	0.030	0.055	0.080	0.100	0.350	1.250	1.300	0.178	0.092	
29314	Hamilton	Vickers Rd. E. 18th St.	54	0.005	0.150	0.025	0.035	0.079	0.140	0.140	0.034	0.023	
35127	Euboeke South	185 Judson St.	40	0.005	0.015	0.025	0.035	0.066	0.105	0.120	0.032	0.023	
44127	Oakville	Bromie Rd./Webburn Cres.	58	0.005	0.010	0.015	0.025	0.041	0.698	1.000	0.044	0.017	
46127	Mississauga	Apple Lane, Meadowood Park	57	0.005	0.010	0.015	0.025	0.040	0.094	0.140	0.220	0.016	
62201	Fort Frances	Armit Ave. 4th St., Robert Moore P.S.	28	0.005	0.005	0.005	0.010	0.015	0.020	0.020	INS	INS	
63201	Thunder Bay	615 James St. S., MTO	60	0.005	0.005	0.005	0.015	0.030	0.083	0.140	0.014	0.010	
71142	Sault Ste. Marie	Bonney St., Pumphouse	59	0.005	0.010	0.015	0.032	0.120	0.162	0.180	0.035	0.020	
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	58	0.005	0.010	0.015	0.025	0.040	0.060	0.060	0.030	0.015	
77326	Sudbury	19 Lisgar St.	57	0.005	0.005	0.005	0.015	0.035	0.086	0.140	0.010	0.010	
77570	Copper Cliff	Market St.	60	0.005	0.005	0.005	0.010	0.025	0.085	0.100	0.013	0.009	

Table 47: Sulphate (SO_4^{2-}) in PM_{10} Statistics (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

ID	City	Location	# of Samples	P E R C E N T I L E S							Arith.		Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	Mean	Mean	
12507	Windsor	Wright Water St	53	1.5	2.2	2.8	4.1	7.9	16.9	18.0	4.1	3.2	3.2
12508	Windsor	467 University Ave. W.	49	2.0	2.6	3.8	5.4	11.8	20.8	22.7	5.2	4.1	4.1
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	5	1.6	2.4	3.4	4.7	10.5	17.6	19.8	4.8	3.7	3.7
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	49	1.2	2.2	2.9	3.6	7.7	13.1	15.1	3.7	3.0	3.0
12559	Windsor	5305 Addolt Ave., St. Alexander S.S.	53	1.5	2.2	3.0	4.3	8.4	12.6	14.3	4.1	3.3	3.3
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	34	1.2	1.9	2.7	3.8	7.5	12.7	13.8	3.6	2.8	2.8
14550	Sarnia	60th Line, Moore Township	52	1.4	2.3	2.9	3.9	9.3	14.6	17.8	4.3	3.3	3.3
14564	Sarnia	Front St., CN Tracks, Centennial Park	51	0.9	1.8	2.8	4.3	7.9	16.0	17.5	3.9	2.8	2.8
15525	London	900 Highway Ave.	52	1.0	1.8	2.5	4.3	8.1	11.1	18.1	3.7	2.7	2.7
17590	Beachville	Earl Lamb Property	52	0.8	1.9	3.2	4.8	7.6	17.3	18.4	4.2	3.6	3.6
27304	Nanticoke	Salsdaik Rd., Walpole South P.S.	56	1.4	3.1	3.2	4.8	9.2	17.2	22.2	4.5	3.4	3.4
27308	St. Catharines	71 King St.	58	1.3	2.0	2.9	4.3	7.2	13.9	20.0	3.7	2.9	2.9
27352	Thorold	185 Queen St. S.	48	1.2	1.8	2.4	3.5	7.3	12.3	14.9	3.4	2.7	2.7
29300	Hamilton	Elgin Kelly St.	59	1.5	2.2	3.2	5.0	9.4	14.8	18.7	4.5	3.5	3.5
29313	Hamilton	467 Beach Blvd.	55	2.1	2.5	3.2	4.9	7.7	10.2	10.6	4.3	3.8	3.8
29314	Hamilton	Gertrude Depew St.	50	1.4	2.3	3.1	4.8	8.9	20.0	20.8	4.6	3.6	3.6
35127	Hamilton	Vickers Rd. E. 18th St.	54	1.2	1.8	2.6	4.3	7.5	12.3	15.6	3.7	2.9	2.9
44127	Oakville	185 Judson St.	49	1.0	1.7	2.3	3.2	8.1	13.0	13.2	3.3	2.5	2.5
46127	Mississauga	Bronte Rd. W. Burn Cres.	58	1.4	1.8	2.5	4.3	6.9	13.1	17.6	3.7	2.9	2.9
62201	Fort Frances	Apple Lane, Meadowood Park	57	1.4	1.9	2.8	4.6	8.6	14.7	16.4	4.0	3.1	3.1
63201	Thunder Bay	Armit Ave., 4th St., Robert Moore P.S.	28	0.9	1.1	1.8	2.3	3.0	4.9	5.1	INS	INS	INS
71142	South St. Marie	615 James St. S., MTO	60	0.7	1.0	1.7	2.3	3.4	7.1	7.8	2.0	1.5	1.5
71168	South St. Marie	Bonney St., Pump House	59	1.0	1.6	2.4	4.6	9.3	19.1	27.0	4.1	2.8	2.8
77526	Sudbury	Patrick St., Wm. Merrifield P.S.	58	0.7	1.2	1.9	3.0	5.0	8.1	8.7	2.6	2.0	2.0
77570	Copper Cliff	19 Ligar St.	37	0.8	1.2	1.9	2.9	4.7	9.0	10.0	3.4	1.9	1.9
		Market St.	60	0.6	1.1	1.7	2.6	3.9	9.0	11.0	2.2	1.7	1.7

Table 48: List of Volatile Organic Compounds (VOCs)

Alkanes	Alkenes	Alkynes	Aromatics	Halogenated
Ethane	Ethylene	Acetylene	Benzene	Freon 11
Propane	1,3-Butadiene	1-Butyne	Toluene	Dibromomethane
Butane	1-Butene + Isobutene		Styrene	Carbon tetrachloride
Isobutane	trans-2-Butene		Ethylbenzene	Dibromochloromethane
Cyclopentane	cis-2-Butene		Indane	Bromoform
Pentane	Cyclopentene		Iso-Propylbenzene	Bromodichloromethane
Isopentane	Isoprene		n-Propylbenzene	Chloroform
2,2-Dimethylpropane	trans-2-Pentene		sec-Butylbenzene	Chloromethane
Cyclohexane	2-Methyl-1-Butene		tert-Butylbenzene	Dichloromethane
Methylcyclopentane	cis-2-Pentene		iso-Butylbenzene	Freon 22
2,2-Dimethylbutane	1-Pentene		Hexylbenzene	Bromomethane
2,3-Dimethylbutane	2-Methyl-2-Butene		m + p-Xylene	Bromotrichloromethane
3-Methylpentane	Cyclohexene		o-Xylene	cis-1,2-Dichloroethylene
2-Methylpentane	1-Methylcyclopentene		3-Ethyltoluene	Biomoethane
Hexane	2-Ethyl-1-Butene		4-Ethyltoluene	Tetrachloroethylene
Methylcyclohexane	cis-2-Hexene		1,3,5-Trimethylbenzene	Chloroethane
2,2,3-Trimethylbutane	1-Hexene		2-Ethyltoluene	Trichloroethylene
3-Methylheptane	3-Methyl-1-Pentene		1,2,4-Trimethylbenzene	trans-1,2-Dichloroethylene
2-Methylheptane	trans-4-Methyl-2-Pentene		1,2,3-Trimethylbenzene	1,2-Dichloroethane
4-Methylheptane	cis-4-Methyl-2-Pentene		1,3-Diethylbenzene	1,1-Dichloroethane
Heptane	4-Methyl-1-Pentene		Napthalene	1,1,2-Trichloroethane
3-Methylhexane	trans-3-Methyl-2-Pentene		p-Cymene	Freon 114
2,2-Dimethylpentane	trans-2-Hexene		1,4-Diethylbenzene	Freon 12
2,4-Dimethylpentane	cis-3-Methyl-2-Pentene		n-Butylbenzene	1,1-Dichloroethylene
2,3-Dimethylpentane	1-Methylcyclohexene		1,2-Diethylbenzene	Vinyl chloride
3-Methylhexane	cis-2-Heptene			1,1,1-Trichloroethane
cis-1,4-Dimethylcyclohexane	trans-3-Heptene			1,1,2,2-Tetrachloroethane
trans-1,3-Dimethylcyclohexane	1-Heptene			Trans-1,3-Dichloropropene
cis-1,3-Dimethylcyclohexane	cis-3-Heptene			1,2-Dichloropropane
trans-1,4-Dimethylcyclohexane	trans-2-Heptene			cis-1,3-Dichloropropene
trans-1,2-Dimethylcyclohexane	1-Octene			Hexachlorobutadiene
2,2,4-Trimethylpentane	cis-2-Octene			1,4-Dichlorobutane
2,2-Dimethylhexane	trans-2-Octene			Chlorobenzene
Octane	1-Nonene			1,3-Dichlorobenzene
2,4-Dimethylhexane	1-Decene			1,4-Dichlorobenzene
2,5-Dimethylhexane	Propylene			1,2,4-Trichlorobenzene
2,3,4-Trimethylpentane				1,2-Dichlorobenzene
2,2,5-Trimethylhexane				
Nonane				
3,6-Dimethyloctane				
Decane				
Undecane				
Dodecane				

Alkanes are saturated hydrocarbons in which all carbon atoms form a single bond with other atoms. Alkenes are unsaturated hydrocarbons in which some carbon atoms form a double bond with other carbon atoms. Alkynes are unsaturated hydrocarbons in which some carbon atoms form a triple bond with other carbon atoms. Aromatics are compounds where the double-bond carbon atoms occur in a ring-type pattern. Halogenated compounds are hydrocarbons which add or substitute one or more atoms of chlorine, bromine, fluorine or iodine.

Table 49: VOC Annual Statistics at Egbert (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	P	E	R	C	E	N	T	I	L	E	S	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	86	0.195						0.230		0.248			0.268		0.281	0.190	0.232	0.023
1,1,2-Trichloroethane	86	0.000						0.000		0.004			0.006		0.015	0.000	0.002	0.003
1,2,3-Trimethylbenzene	86	0.001						0.006		0.009			0.015		0.096	0.000	0.010	0.015
1,2,4-Trimethylbenzene	86	0.004						0.010		0.021			0.042		0.260	0.002	0.024	0.044
1,2-Dichloroethane	86	0.016						0.029		0.034			0.036		0.043	0.014	0.028	0.007
1,3,5-Trimethylbenzene	86	0.000						0.004		0.007			0.015		0.098	0.000	0.008	0.016
1,3-Butadiene	86	0.000						0.000		0.006			0.011		0.045	0.000	0.004	0.008
1,3-Diethylbenzene	86	0.000						0.001		0.004			0.006		0.030	0.000	0.003	0.005
1,4-Dichlorobenzene	86	0.008						0.013		0.017			0.029		0.114	0.007	0.018	0.017
1,4-Diethylbenzene	86	0.000						0.004		0.010			0.017		0.083	0.000	0.010	0.014
1-Butene Isobutene	86	0.089						0.102		0.139			0.152		0.269	0.074	0.125	0.033
1-Butyne	86	0.000						0.000		0.000			0.002		0.004	0.000	0.000	0.001
1-Hexene	86	0.000						0.011		0.016			0.021		0.049	0.000	0.010	0.011
1-Pentene	86	0.000						0.000		0.026			0.037		0.085	0.000	0.018	0.017
1-Propyne	86	0.000						0.000		0.015			0.025		0.076	0.000	0.009	0.014
2,2,4-Trimethylpentane	86	0.003						0.031		0.071			0.128		1.150	0.000	0.066	0.136
2,2,5-Trimethylhexane	86	0.000						0.004		0.007			0.011		0.033	0.000	0.005	0.006
2,2-Dimethylbutane	86	0.000						0.014		0.022			0.033		0.077	0.000	0.016	0.015
2,2-Dimethylhexane	86	0.000						0.000		0.000			0.004		0.020	0.000	0.001	0.003
2,2-Dimethylpentane	86	0.000						0.001		0.007			0.015		0.035	0.000	0.005	0.008
2,2-Dimethylpropane	86	0.000						0.005		0.008			0.011		0.027	0.000	0.005	0.005
2,3,4-Trimethylpentane	86	0.000						0.011		0.029			0.048		0.139	0.000	0.020	0.030
2,3-Dimethylbutane	86	0.000						0.019		0.040			0.057		0.206	0.000	0.029	0.038
2,3-Dimethylpentane	86	0.000						0.015		0.036			0.062		0.231	0.000	0.026	0.037
2,4-Dimethylhexane	86	0.000						0.000		0.014			0.018		0.073	0.000	0.008	0.014
2,4-Dimethylpentane	86	0.000						0.009		0.024			0.039		0.118	0.000	0.015	0.022
2,5-Dimethylhexane	86	0.000						0.003		0.013			0.020		0.074	0.000	0.008	0.014
2-Ethyltoluene	86	0.003						0.007		0.013			0.026		0.132	0.000	0.014	0.023
2-Methyl-1-butene	86	0.000						0.018		0.024			0.037		0.085	0.000	0.021	0.016
2-Methyl-2-butene	86	0.012						0.021		0.025			0.029		0.040	0.010	0.021	0.007
2-Methylpentane	86	0.000						0.026		0.040			0.059		0.223	0.000	0.031	0.034
2-Methylhexane	86	0.000						0.036		0.076			0.111		0.380	0.000	0.057	0.077
2-Methylpentane	86	0.000						0.054		0.108			0.145		0.662	0.000	0.087	0.116

Table 49: VOC Annual Statistics at Egbert (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%										
3-Ethyltoluene	86	0.004	0.007	0.009	0.026	0.055		0.315	0.002	0.029	0.055					
3-Methyl-1-pentene	86	0.000	0.000	0.000	0.000	0.000		0.005	0.000	0.000	0.001					
3-Methylheptane	86	0.000	0.000	0.014	0.027	0.045		0.203	0.000	0.020	0.033					
3-Methylhexane	86	0.000	0.000	0.029	0.061	0.088		0.324	0.000	0.044	0.063					
3-Methylpentane	86	0.012	0.023	0.046	0.100	0.139		0.610	0.000	0.083	0.114					
4-Ethyltoluene	86	0.003	0.004	0.006	0.013	0.024		0.115	0.000	0.013	0.021					
4-Methyl-1-pentene	86	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000					
4-Methylheptane	86	0.000	0.000	0.000	0.008	0.012		0.070	0.000	0.006	0.011					
Acetaldehyde	32	0.647	0.900	1.180	1.856	3.455		3.799	0.627	1.553	0.972					
Acetone	32	1.035	1.686	2.415	4.534	5.692		8.461	0.908	3.139	1.962					
Acetylene	86	0.091	0.173	0.380	0.962	1.333		3.072	0.079	0.616	0.564					
a-Pinene	86	0.002	0.013	0.027	0.119	0.178		0.334	0.001	0.065	0.077					
Benzene	86	0.055	0.103	0.171	0.337	0.438		1.074	0.044	0.234	0.174					
b-Pinene	86	0.000	0.004	0.014	0.045	0.080		0.141	0.000	0.031	0.035					
Bromoform	86	0.008	0.011	0.015	0.019	0.022		0.045	0.007	0.016	0.006					
Bromomethane	86	0.049	0.053	0.058	0.062	0.068		0.220	0.046	0.060	0.019					
Butane	86	0.038	0.138	0.328	0.878	1.522		5.866	0.024	0.630	0.816					
Camphene	22	0.000	0.005	0.011	0.017	0.020		0.038	0.000	0.012	0.009					
Carbontetrachloride	86	0.567	0.598	0.630	0.681	0.714		0.760	0.549	0.639	0.055					
Chlorobenzene	86	0.006	0.007	0.008	0.010	0.011		0.015	0.004	0.009	0.002					
Chloroethane	86	0.000	0.014	0.017	0.021	0.029		0.176	0.000	0.021	0.023					
Chloroform	86	0.051	0.056	0.063	0.071	0.080		0.105	0.046	0.065	0.012					
Chloromethane	86	0.965	1.020	1.049	1.132	1.165		1.245	0.937	1.072	0.073					
cis-1,2-Dimethylcyclohexane	86	0.011	0.014	0.017	0.022	0.024		0.038	0.000	0.018	0.006					
cis-1,3-Dimethylcyclohexane	86	0.000	0.000	0.005	0.011	0.019		0.152	0.000	0.011	0.024					
cis-1,4+1,3-Dimethylcyclohexane	86	0.000	0.000	0.000	0.004	0.009		0.049	0.000	0.003	0.008					
cis-2-Butene	86	0.000	0.000	0.000	0.005	0.012		0.045	0.000	0.004	0.008					
cis-2-Hexene	86	0.000	0.000	0.000	0.000	0.000		0.010	0.000	0.000	0.001					
cis-2-Pentene	86	0.000	0.000	0.000	0.000	0.004		0.025	0.000	0.001	0.003					
cis-3-Methyl-2-pentene	86	0.000	0.000	0.000	0.000	0.000		0.010	0.000	0.000	0.001					
cis-4-Methyl-2-pentene	86	0.000	0.000	0.000	0.000	0.000		0.010	0.000	0.000	0.001					
Cyclohexane	86	0.000	0.000	0.017	0.035	0.061		0.199	0.000	0.026	0.035					
Cyclopentane	86	0.000	0.016	0.029	0.040	0.059		0.157	0.000	0.032	0.028					

Table 49: VOC Annual Statistics at Egbert (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Cyclopentene	86	0.000	0.000	0.000	0.000	0.002	0.006	0.000	0.001	0.001
Decane	86	0.006	0.009	0.012	0.025	0.046	0.317	0.000	0.026	0.044
Dichloromethane	86	0.140	0.156	0.190	0.256	0.658	13.367	0.129	0.435	1.434
d-Limonene	22	0.000	0.000	0.004	0.013	0.016	0.024	0.000	0.007	0.008
Dodecane	86	0.000	0.011	0.018	0.024	0.035	0.123	0.000	0.021	0.029
Ethane	86	0.834	1.207	2.032	2.716	3.290	6.804	0.718	2.094	1.070
Ethylbenzene	86	0.016	0.034	0.056	0.121	0.281	1.175	0.013	0.130	0.206
Ethylene	86	0.129	0.166	0.261	0.467	0.876	2.700	0.114	0.407	0.412
Formaldehyde	32	0.553	0.982	1.427	2.671	3.507	4.427	0.166	1.782	1.122
Freon11	86	1.552	1.650	1.724	1.882	1.964	2.049	1.512	1.758	0.146
Freon113	86	0.539	0.566	0.631	0.681	0.744	0.819	0.529	0.634	0.075
Freon114	86	0.099	0.103	0.109	0.117	0.128	0.142	0.097	0.112	0.011
Freon12	86	2.438	2.561	2.791	2.897	3.128	3.256	2.393	2.768	0.233
Freon22	86	0.439	0.483	0.512	0.572	0.707	1.767	0.428	0.578	0.218
Heptane	86	0.013	0.021	0.030	0.053	0.070	0.251	0.000	0.044	0.044
Hexane	86	0.014	0.027	0.049	0.105	0.154	1.026	0.000	0.093	0.148
Indane	86	0.000	0.002	0.003	0.006	0.010	0.046	0.000	0.005	0.008
Isobutane	86	0.018	0.070	0.163	0.390	0.584	1.992	0.011	0.272	0.307
iso-Butylbenzene	80	0.009	0.009	0.003	0.006	0.011	0.021	0.000	0.004	0.005
Isopentane	86	0.047	0.128	0.302	0.673	1.072	3.835	0.032	0.522	0.661
Isoprene	86	0.011	0.018	0.084	0.279	0.603	1.752	0.008	0.235	0.353
iso-Propylbenzene	86	0.002	0.003	0.005	0.006	0.011	0.045	0.000	0.007	0.008
m- and p-Xylene	86	0.032	0.053	0.084	0.214	0.416	3.343	0.018	0.252	0.524
MEK	32	0.186	0.402	0.655	0.878	1.711	2.848	0.081	0.806	0.637
Methylcyclohexane	86	0.000	0.000	0.012	0.025	0.047	0.212	0.000	0.022	0.035
Methylcyclopentane	86	0.000	0.012	0.025	0.053	0.072	0.339	0.000	0.042	0.060
Naphthalene	86	0.096	0.010	0.014	0.022	0.031	0.158	0.004	0.021	0.027
n-Butylbenzene	86	0.000	0.000	0.003	0.004	0.007	0.028	0.000	0.003	0.005
Nonane	86	0.000	0.014	0.020	0.031	0.058	0.230	0.000	0.030	0.037
n-Propylbenzene	86	0.004	0.005	0.009	0.019	0.034	0.134	0.003	0.017	0.023
Octane	86	0.015	0.021	0.029	0.037	0.058	0.341	0.000	0.042	0.053
o-Xylene	86	0.011	0.022	0.034	0.082	0.149	0.742	0.008	0.079	0.129
p-Cymene	86	0.000	0.005	0.011	0.020	0.029	0.045	0.000	0.014	0.011

Table 49: VOC Annual Statistics at Egbert (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
Pentane	86	0.037	0.093	0.191	0.466	0.592	1.889	0.029	0.313	0.330
Propane	86	0.169	0.456	1.028	2.017	2.887	7.380	0.136	1.354	1.170
Propionaldehyde	32	0.088	0.162	0.252	0.331	0.491	0.820	0.000	0.284	0.187
Propylene	86	0.073	0.100	0.123	0.169	0.229	0.778	0.059	0.156	0.113
scc-Butylbenzene	86	0.000	0.000	0.001	0.002	0.005	0.018	0.000	0.002	0.003
Styrene	86	0.000	0.004	0.006	0.009	0.019	0.206	0.000	0.012	0.027
Tetrachloroethylene	86	0.023	0.037	0.051	0.080	0.150	0.621	0.020	0.086	0.106
Toluene	86	0.075	0.138	0.260	0.525	1.047	7.995	0.056	0.632	1.282
trans-1,2-Dimethylcyclohexane	86	0.000	0.000	0.000	0.007	0.011	0.089	0.000	0.006	0.014
trans-1,4-Dimethylcyclohexane	86	0.000	0.000	0.000	0.004	0.008	0.057	0.000	0.004	0.009
trans-2-Butene	86	0.000	0.000	0.000	0.003	0.009	0.035	0.000	0.003	0.006
trans-2-Hexene	86	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.001
trans-2-Pentene	86	0.000	0.000	0.000	0.004	0.006	0.034	0.000	0.003	0.005
trans-3-Methyl-2-pentene	86	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.001	0.008
Trichloroethylene	86	0.008	0.012	0.018	0.031	0.088	0.441	0.000	0.043	0.075
Undecane	86	0.007	0.013	0.019	0.027	0.048	0.272	0.000	0.029	0.039
Vinylchloride	86	0.000	0.000	0.000	0.002	0.004	0.009	0.000	0.001	0.002

Table 50: VOC Annual Statistics at Hamilton (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
1,1,1-Trichloroethane	58	0.210	0.233	0.260	0.288	0.303	0.770	0.180	0.270	0.078
1,1,2,2-Tetrachloroethane	58	0.000	0.040	0.050	0.060	0.070	0.080	0.000	0.048	0.021
1,1,2-Trichloroethane	58	0.000	0.030	0.040	0.050	0.060	0.060	0.000	0.039	0.017
1,1-Dichloroethane	58	0.000	0.020	0.030	0.040	0.040	0.050	0.000	0.030	0.014
1,1-Dichloroethylene	58	0.000	0.050	0.060	0.070	0.080	0.120	0.000	0.056	0.025
1,2,3-Trimethylbenzene	58	0.069	0.113	0.150	0.208	0.259	0.660	0.050	0.175	0.101
1,2,4-Trichlorobenzene	58	0.000	0.000	0.065	0.108	0.140	0.210	0.000	0.059	0.060
1,2,4-Trimethylbenzene	58	0.229	0.413	0.580	0.748	1.071	2.570	0.130	0.660	0.402
1,2-Dichlorobenzene	58	0.000	0.033	0.050	0.060	0.070	0.090	0.000	0.043	0.025
1,2-Dichloroethane	58	0.030	0.060	0.075	0.088	0.090	0.130	0.030	0.074	0.020
1,2-Dichloropropane	58	0.000	0.030	0.040	0.040	0.050	0.060	0.000	0.033	0.015
1,2-Diethylbenzene	58	0.010	0.030	0.030	0.040	0.043	0.050	0.010	0.032	0.011
1,3,5-Trimethylbenzene	58	0.079	0.133	0.190	0.250	0.348	0.800	0.040	0.217	0.128
1,3-Butadiene	58	0.080	0.120	0.150	0.190	0.233	0.540	0.050	0.161	0.074
1,3-Dichlorobenzene	58	0.000	0.030	0.050	0.058	0.063	0.080	0.000	0.040	0.023
1,3-Diethylbenzene	58	0.029	0.050	0.060	0.070	0.080	0.170	0.020	0.061	0.024
1,4-Dichlorobenzene	58	0.080	0.120	0.145	0.180	0.223	0.540	0.060	0.166	0.083
1,4-Dichlorobutane	58	0.000	0.000	0.000	0.000	0.020	0.040	0.000	0.006	0.012
1,4-Diethylbenzene	58	0.070	0.120	0.150	0.190	0.223	0.560	0.040	0.162	0.078
1-Butene Isobutene	58	0.317	0.440	0.535	0.715	0.929	1.860	0.270	0.610	0.299
1-Butyne	58	0.000	0.000	0.020	0.028	0.030	0.030	0.000	0.014	0.013
1-Decene	58	0.000	0.000	0.040	0.060	0.090	0.310	0.000	0.046	0.053
1-Heptene	58	0.040	0.063	0.090	0.140	0.196	0.420	0.000	0.112	0.077
1-Hexene	58	0.080	0.130	0.170	0.220	0.243	0.550	0.040	0.175	0.078
1-Methylcyclohexene	58	0.019	0.040	0.050	0.060	0.060	0.100	0.000	0.048	0.017
1-Methylcyclopentene	58	0.040	0.053	0.070	0.080	0.100	0.250	0.020	0.073	0.032
1-Nomene	58	0.010	0.030	0.040	0.050	0.070	0.370	0.000	0.046	0.047
1-Octene	58	0.019	0.030	0.030	0.040	0.050	0.340	0.010	0.039	0.042
1-Pentene	58	0.090	0.120	0.155	0.208	0.313	0.650	0.050	0.189	0.116
1-Propyne	58	0.000	0.060	0.080	0.108	0.140	0.310	0.000	0.083	0.053
1-Undecene	44	0.000	0.000	0.000	0.000	0.007	0.710	0.000	0.046	0.141
2,2,3-Trimethylbutane	58	0.000	0.000	0.010	0.020	0.020	0.090	0.000	0.011	0.015
2,2,4-Trimethylpentane	58	0.217	0.310	0.440	0.588	0.853	1.650	0.140	0.493	0.264

Table 50: VOC Annual Statistics at Hamilton (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2,5-Trimethylhexane	58	0.019	0.030	0.030	0.040	0.053	0.110	0.010	0.035	0.017
2,2-Dimethylbutane	58	0.100	0.140	0.170	0.228	0.290	0.540	0.060	0.189	0.082
2,2-Dimethylhexane	58	0.010	0.020	0.030	0.030	0.043	0.080	0.000	0.029	0.013
2,2-Dimethylpentane	58	0.030	0.040	0.050	0.070	0.080	0.250	0.020	0.056	0.033
2,2-Dimethylpropane	58	0.020	0.040	0.050	0.068	0.090	0.160	0.000	0.056	0.027
2,3,4-Trimethylpentane	58	0.080	0.113	0.150	0.208	0.280	0.580	0.050	0.174	0.090
2,3-Dimethylbutane	58	0.120	0.173	0.250	0.438	0.710	1.360	0.090	0.351	0.263
2,3-Dimethylpentane	58	0.099	0.160	0.190	0.278	0.389	0.790	0.070	0.232	0.126
2,4-Dimethylhexane	58	0.049	0.080	0.095	0.130	0.170	0.380	0.040	0.112	0.060
2,4-Dimethylpentane	58	0.060	0.080	0.110	0.170	0.220	0.500	0.040	0.139	0.077
2,5-Dimethylhexane	58	0.039	0.050	0.070	0.100	0.133	0.270	0.020	0.082	0.043
2-Ethyl-1-Butene	58	0.019	0.043	0.065	0.100	0.166	0.450	0.000	0.086	0.073
2-Ethyltoluene	58	0.070	0.120	0.160	0.218	0.286	0.670	0.060	0.185	0.102
2-Methyl-1-butene	58	0.109	0.163	0.230	0.305	0.440	1.100	0.080	0.272	0.184
2-Methyl-2-butene	58	0.090	0.120	0.195	0.338	0.458	1.030	0.080	0.249	0.182
2-Methylheptane	58	0.079	0.130	0.160	0.240	0.302	0.830	0.060	0.201	0.141
2-Methylhexane	58	0.177	0.270	0.365	0.510	0.733	1.640	0.140	0.432	0.260
2-Methylpentane	58	0.536	0.823	1.145	2.233	4.176	12.140	0.380	1.936	2.124
3,6-Dimethyloctane	58	0.019	0.020	0.030	0.050	0.060	0.150	0.000	0.038	0.024
3-Ethyltoluene	58	0.169	0.260	0.370	0.490	0.706	1.710	0.120	0.429	0.259
3-Methyl-1-butene	44	0.030	0.040	0.050	0.093	0.117	0.290	0.020	0.070	0.052
3-Methyl-1-pentene	58	0.000	0.020	0.030	0.040	0.053	0.080	0.000	0.032	0.020
3-Methylheptane	58	0.069	0.110	0.140	0.210	0.280	0.870	0.060	0.182	0.140
3-Methylhexane	58	0.189	0.300	0.405	0.618	0.819	1.830	0.130	0.492	0.302
3-Methylpentane	58	0.330	0.560	0.885	2.363	6.128	36.050	0.250	2.756	5.634
4-Ethyltoluene	58	0.099	0.163	0.210	0.270	0.364	0.810	0.090	0.239	0.124
4-Methyl-1-pentene	58	0.090	0.010	0.030	0.040	0.053	0.120	0.000	0.028	0.023
4-Methylheptane	58	0.030	0.050	0.060	0.090	0.110	0.360	0.020	0.079	0.059
Acetylene	58	0.618	0.923	1.646	2.679	4.153	4.975	0.370	1.957	1.236
Benzene	58	0.577	0.835	1.105	2.205	3.948	6.990	0.370	1.811	1.552
Benzylchloride	58	0.010	0.040	0.050	0.050	0.060	0.070	0.010	0.047	0.013
Bromodichloromethane	58	0.030	0.060	0.080	0.090	0.120	0.180	0.020	0.078	0.032
Bromoform	58	0.020	0.043	0.050	0.068	0.070	0.100	0.010	0.052	0.018

Table 50: VOC Annual Statistics at Hamilton (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Bromomethane	58	0.060	0.113	0.140	0.160	0.170	0.240	0.050	0.136	0.039
Bromotrichloromethane	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Butane	58	1.182	2.150	3.800	6.950	8.841	28.560	0.810	5.057	4.562
Carbontetrachloride	58	0.559	0.610	0.640	0.670	0.703	0.800	0.510	0.637	0.053
Chlorobenzene	58	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloroethane	58	0.020	0.060	0.070	0.080	0.100	0.160	0.010	0.070	0.025
Chloroform	58	0.080	0.103	0.110	0.128	0.150	0.240	0.080	0.118	0.029
Chloromethane	58	0.980	1.083	1.125	1.200	1.270	1.460	0.880	1.134	0.106
cis-1,2-Dichloroethylene	58	0.000	0.030	0.040	0.040	0.050	0.050	0.000	0.032	0.014
cis-1,2-Dimethylcyclohexane	58	0.020	0.030	0.040	0.050	0.050	0.120	0.010	0.039	0.016
cis-1,3-Dichloropropene	58	0.000	0.000	0.000	0.030	0.123	0.600	0.000	0.055	0.133
cis-1,3-Dimethylcyclohexane	58	0.030	0.040	0.065	0.090	0.143	0.420	0.020	0.081	0.065
cis-1,4-1,3-Dimethylcyclohexane	58	0.010	0.020	0.030	0.040	0.060	0.170	0.010	0.034	0.024
cis-2-Butene	58	0.080	0.110	0.155	0.245	0.350	0.850	0.060	0.196	0.140
cis-2-Heptene	58	0.020	0.030	0.050	0.060	0.083	0.250	0.000	0.055	0.038
cis-2-Hexene	58	0.020	0.030	0.040	0.050	0.060	0.130	0.000	0.041	0.020
cis-2-Pentene	58	0.040	0.073	0.110	0.160	0.213	0.570	0.030	0.134	0.092
cis-3-Heptene	1	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
cis-3-Methyl-2-pentene	58	0.020	0.030	0.035	0.050	0.070	0.140	0.000	0.041	0.022
cis-4-Methyl-2-pentene	58	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.005	0.015
Cyclohexane	58	0.067	0.130	0.195	0.295	0.450	4.240	0.050	0.297	0.547
Cyclohexene	58	0.017	0.030	0.040	0.050	0.053	0.090	0.000	0.040	0.016
Cyclopentane	58	0.099	0.143	0.205	0.318	0.402	0.960	0.070	0.250	0.158
Cyclopentene	58	0.040	0.050	0.060	0.080	0.090	0.220	0.020	0.066	0.030
Decane	58	0.117	0.160	0.280	0.438	0.519	1.840	0.060	0.340	0.280
Dibromochloromethane	58	0.009	0.040	0.050	0.070	0.073	0.080	0.000	0.052	0.021
Dibromomethane	58	0.020	0.073	0.090	0.110	0.120	0.130	0.020	0.090	0.029
Dichloromethane	58	0.239	0.315	0.405	0.610	0.853	1.970	0.190	0.532	0.355
Dodecane	58	0.060	0.090	0.130	0.220	0.325	0.680	0.020	0.175	0.131
EDB	58	0.000	0.033	0.050	0.060	0.070	0.080	0.000	0.048	0.022
Ethane	58	1.553	2.581	3.465	5.379	6.596	7.758	1.056	3.887	1.850
Ethylbenzene	58	0.270	0.443	0.585	0.908	1.221	2.910	0.180	0.754	0.502
Ethyl bromide	58	0.000	0.023	0.030	0.040	0.040	0.040	0.000	0.028	0.012

Table 50: VOC Annual Statistics at Hamilton (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
Ethylene	58	1.195	1.521	2.289	2.837	4.188	8.893	0.768	2.561	1.523
Freon11	58	1.391	1.543	1.700	1.818	1.923	2.280	1.260	1.686	0.189
Freon113	58	0.599	0.660	0.700	0.740	0.763	0.870	0.550	0.701	0.059
Freon114	58	0.120	0.190	0.220	0.240	0.260	0.290	0.120	0.211	0.042
Freon12	58	2.414	2.653	2.860	3.070	3.293	3.930	2.140	2.866	0.343
Freon22	58	0.589	0.700	0.810	1.248	1.769	3.410	0.530	1.068	0.568
Heptane	58	0.189	0.283	0.395	0.545	0.792	1.670	0.130	0.459	0.274
Hexachlorobutadiene	58	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hexane	58	0.367	0.635	1.275	5.008	14.012	73.800	0.260	5.932	12.902
Hexylbenzene	58	0.034	0.090	0.120	0.210	0.263	0.580	0.000	0.156	0.119
Indane	58	0.050	0.080	0.090	0.130	0.160	0.370	0.050	0.110	0.062
Isobutane	58	0.597	1.028	1.665	3.088	4.260	12.690	0.360	2.349	2.143
iso-Butylbenzene	58	0.010	0.030	0.030	0.040	0.050	0.070	0.010	0.034	0.011
Isopentane	58	1.314	2.070	2.960	4.808	6.677	17.290	0.970	3.802	2.808
Isoprene	58	0.050	0.080	0.125	0.195	0.276	0.810	0.050	0.158	0.124
iso-Propylbenzene	58	0.030	0.050	0.060	0.080	0.093	0.190	0.020	0.068	0.027
m and p-Xylene	58	0.750	1.248	1.735	2.570	3.781	8.820	0.490	2.107	1.481
Methylcyclohexane	58	0.080	0.125	0.190	0.298	0.393	1.010	0.060	0.231	0.156
Methylcyclopentane	58	0.177	0.300	0.530	1.108	2.549	9.860	0.120	1.123	1.710
Napthalene	34	0.000	0.000	0.000	1.060	1.807	3.240	0.000	0.603	0.943
n-Butylbenzene	58	0.029	0.040	0.050	0.060	0.070	0.160	0.020	0.054	0.023
Nonane	58	0.089	0.123	0.185	0.288	0.403	1.150	0.060	0.236	0.184
n-Propylbenzene	58	0.070	0.110	0.149	0.188	0.249	0.580	0.080	0.162	0.086
Octane	58	0.090	0.130	0.180	0.280	0.352	0.900	0.070	0.224	0.149
o-Xylene	58	0.219	0.353	0.505	0.743	0.962	2.540	0.160	0.605	0.400
p-Cymene	58	0.030	0.060	0.080	0.110	0.163	0.400	0.020	0.093	0.061
Pentane	58	0.707	1.140	1.645	2.408	3.590	9.520	0.520	2.051	1.482
Propane	58	1.293	1.788	2.940	4.250	5.812	8.800	0.830	3.284	1.826
Propylene	58	0.376	0.533	0.745	0.988	1.384	3.120	0.280	0.864	0.531
sec-Butylbenzene	58	0.020	0.030	0.040	0.040	0.050	0.090	0.010	0.037	0.013
Styrene	58	0.060	0.100	0.135	0.188	0.339	0.670	0.030	0.178	0.140
tert-Butylbenzene	58	0.000	0.020	0.020	0.030	0.030	0.040	0.000	0.020	0.011
Tetrachloroethylene	58	0.224	0.300	0.560	1.353	2.651	8.380	0.120	1.149	1.481

Table 50: VOC Annual Statistics at Hamilton (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
Toluene	58	1.226	2.010	3.065	5.193	8.177	15.440	0.820	4.235	3.171
trans-1,2-Dichloroethylene	58	0.000	0.020	0.030	0.040	0.040	0.050	0.000	0.027	0.013
trans-1,2-Dimethylcyclohexane	58	0.020	0.030	0.040	0.068	0.103	0.310	0.020	0.056	0.048
trans-1,3-Dichloropropene	58	0.000	0.010	0.020	0.040	0.093	0.400	0.000	0.047	0.083
trans-1,4-Dimethylcyclohexane	58	0.010	0.020	0.030	0.050	0.070	0.210	0.010	0.038	0.030
trans-2-Butene	58	0.080	0.113	0.165	0.248	0.363	0.910	0.060	0.207	0.155
trans-2-Heptene	58	0.000	0.010	0.015	0.030	0.040	0.050	0.000	0.018	0.014
trans-2-Hexene	58	0.029	0.040	0.050	0.060	0.083	0.210	0.020	0.054	0.030
trans-2-Octene	1	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
trans-2-Pentene	1	0.069	0.093	0.140	0.210	0.320	0.910	0.060	0.185	0.145
trans-3-Heptene	58	0.000	0.010	0.020	0.030	0.030	0.050	0.000	0.018	0.012
trans-3-Methyl-2-pentene	58	0.000	0.030	0.040	0.050	0.063	0.130	0.000	0.039	0.023
trans-4-Methyl-2-pentene	58	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.003	0.007
Trichloroethylene	58	0.050	0.083	0.110	0.185	0.323	0.730	0.020	0.162	0.139
Undecane	58	0.070	0.133	0.205	0.343	0.546	1.280	0.040	0.279	0.225
Vinylchloride	58	0.000	0.013	0.020	0.030	0.030	0.040	0.000	0.020	0.010

Table 51: VOC Annual Statistics at Ottawa (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L S					Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%			
1,1,1-Trichloroethane	60	0.220	0.240	0.255	0.270	0.290	0.200	0.256	0.024
1,1,2,2-Tetrachloroethane	60	0.030	0.050	0.060	0.070	0.070	0.030	0.056	0.013
1,1,2-Trichloroethane	60	0.020	0.040	0.050	0.050	0.060	0.020	0.044	0.012
1,1-Dichloroethane	60	0.020	0.030	0.030	0.040	0.041	0.000	0.033	0.010
1,1-Dichloroethylene	60	0.040	0.050	0.060	0.070	0.080	0.020	0.060	0.015
1,2,3-Trimethylbenzene	60	0.050	0.080	0.130	0.163	0.232	0.040	0.133	0.060
1,2,4-Trichlorobenzene	60	0.000	0.080	0.090	0.100	0.120	0.000	0.083	0.039
1,2,4-Trimethylbenzene	60	0.159	0.278	0.440	0.573	0.838	0.110	0.469	0.259
1,2-Dichlorobenzene	60	0.000	0.040	0.050	0.060	0.070	0.000	0.048	0.021
1,2-Dichloroethane	60	0.060	0.070	0.070	0.080	0.080	0.050	0.072	0.009
1,2-Dichloropropane	60	0.019	0.030	0.040	0.040	0.050	0.000	0.035	0.011
1,2-Diethylbenzene	60	0.020	0.030	0.030	0.040	0.050	0.020	0.033	0.010
1,3,5-Trimethylbenzene	60	0.060	0.090	0.155	0.200	0.262	0.040	0.157	0.076
1,3-Butadiene	60	0.070	0.098	0.125	0.180	0.271	0.050	0.154	0.087
1,3-Dichlorobenzene	60	0.000	0.030	0.050	0.060	0.060	0.000	0.044	0.020
1,3-Diethylbenzene	60	0.020	0.040	0.050	0.060	0.070	0.020	0.048	0.018
1,4-Dichlorobenzene	60	0.000	0.000	0.000	0.000	0.030	0.000	0.005	0.012
1,4-Diethylbenzene	60	0.050	0.088	0.120	0.153	0.200	0.040	0.123	0.051
1-Butene Isobutene	60	0.279	0.330	0.465	0.750	1.040	0.220	0.587	0.366
1-Butyne	60	0.000	0.000	0.020	0.030	0.030	0.000	0.018	0.012
1-Decene	60	0.000	0.000	0.030	0.050	0.060	0.000	0.026	0.028
1-Heptene	60	0.040	0.060	0.080	0.123	0.160	0.030	0.096	0.051
1-Hexene	60	0.100	0.130	0.150	0.190	0.251	0.070	0.168	0.061
1-Methylcyclobutene	60	0.030	0.040	0.050	0.060	0.070	0.020	0.051	0.015
1-Methylcyclopentene	60	0.000	0.028	0.040	0.050	0.050	0.000	0.034	0.020
1-Nonene	60	0.010	0.020	0.030	0.030	0.040	0.000	0.027	0.010
1-Octene	60	0.080	0.120	0.170	0.200	0.271	0.060	0.175	0.073
1-Pentene	60	0.000	0.050	0.070	0.110	0.141	0.000	0.081	0.062
1-Propyne	44	0.000	0.000	0.000	0.008	0.040	0.000	0.010	0.019
1-Undecene	60	0.000	0.000	0.005	0.010	0.020	0.000	0.008	0.009
2,2,3-Trimethylbutane	60	0.130	0.200	0.310	0.410	0.551	0.100	0.339	0.191
2,2,4-Trimethylpentane	60	0.130	0.200	0.310	0.410	0.551	0.100	0.339	0.191

Table 51: VOC Annual Statistics at Ottawa (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std. Dev.
		5%	25%	50%	75%	99%				
2,2,5-Trimethylhexane	60	0.010	0.020	0.030	0.040	0.050	0.100	0.010	0.031	0.016
2,2-Dimethylheptane	60	0.110	0.140	0.195	0.280	0.370	0.640	0.080	0.226	0.114
2,2-Dimethylhexane	60	0.010	0.020	0.025	0.030	0.040	0.060	0.010	0.027	0.010
2,2-Dimethylpentane	60	0.020	0.030	0.040	0.060	0.080	0.140	0.020	0.048	0.024
2,2-Dimethylpropane	60	0.030	0.040	0.040	0.050	0.060	0.090	0.020	0.044	0.014
2,3,4-Trimethylpentane	60	0.050	0.080	0.125	0.160	0.211	0.450	0.040	0.133	0.075
2,3-Dimethylhexane	60	0.100	0.140	0.220	0.340	0.483	0.800	0.070	0.264	0.164
2,3-Dimethylpentane	60	0.070	0.100	0.160	0.220	0.301	0.570	0.060	0.180	0.100
2,4-Dimethylhexane	60	0.040	0.060	0.080	0.120	0.151	0.320	0.040	0.095	0.052
2,4-Dimethylpentane	60	0.050	0.060	0.100	0.150	0.220	0.380	0.040	0.117	0.069
2,5-Dimethylhexane	60	0.030	0.040	0.060	0.090	0.120	0.250	0.020	0.071	0.042
2-Ethyl-1-butene	60	0.020	0.048	0.070	0.110	0.140	0.250	0.010	0.081	0.050
2-Ethylhexane	60	0.050	0.088	0.130	0.170	0.224	0.290	0.040	0.137	0.063
2-Methyl-1-butene	60	0.100	0.180	0.215	0.333	0.381	0.600	0.040	0.257	0.118
2-Methyl-2-butene	60	0.090	0.120	0.190	0.303	0.411	0.930	0.060	0.248	0.174
2-Methylpentane	60	0.060	0.090	0.140	0.203	0.250	0.370	0.050	0.163	0.101
2-Methylhexane	60	0.060	0.090	0.140	0.203	0.250	0.370	0.050	0.163	0.101
2-Methylheptane	60	0.158	0.208	0.330	0.450	0.660	1.150	0.090	0.372	0.218
3,6-Dimethylhexane	60	0.390	0.600	0.895	1.355	1.869	3.690	0.340	1.099	0.701
3-Ethylhexane	60	0.010	0.020	0.030	0.040	0.050	0.080	0.000	0.032	0.015
3-Methyl-1-butene	60	0.110	0.178	0.285	0.380	0.538	0.760	0.080	0.307	0.161
3-Methyl-1-pentene	44	0.030	0.040	0.060	0.080	0.100	0.140	0.020	0.063	0.029
3-Methylheptane	60	0.060	0.080	0.125	0.203	0.270	0.540	0.040	0.155	0.104
3-Methylhexane	60	0.150	0.210	0.360	0.490	0.693	1.240	0.120	0.400	0.233
3-Methylpentane	60	0.250	0.398	0.650	0.893	1.194	2.950	0.180	0.745	0.496
4-Ethylhexane	60	0.070	0.118	0.170	0.230	0.303	0.380	0.060	0.182	0.080
4-Methyl-1-pentene	60	0.000	0.020	0.030	0.040	0.050	0.070	0.000	0.030	0.016
4-Methylheptane	60	0.020	0.040	0.055	0.090	0.110	0.240	0.010	0.068	0.040
Acetylene	60	0.423	0.774	1.303	1.980	4.623	6.495	0.327	1.714	1.449
Benzene	60	0.408	0.618	0.775	1.178	1.575	2.850	0.340	0.942	0.513
Benzylchloride	60	0.030	0.040	0.040	0.050	0.060	0.070	0.030	0.045	0.009
Bromochloromethane	60	0.050	0.070	0.080	0.100	0.122	0.160	0.040	0.089	0.028
Bromoderm	60	0.040	0.050	0.060	0.070	0.070	0.100	0.030	0.057	0.014

Table 51: VOC Annual Statistics at Ottawa (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%										
Propan-1	60	1.449	1.610	1.688	1.733	1.780							1.970	1.340	1.659	0.119
Propan-1,1	60	0.640	0.740	0.770	0.830	0.850							0.940	0.630	0.775	0.071
Propan-1,1,4	60	0.180	0.208	0.220	0.240	0.251							0.280	0.160	0.221	0.024
Propan-1,3	60	2.510	2.730	2.785	2.893	2.975							3.210	2.280	2.795	0.172
Propan-2	60	0.760	0.818	0.840	0.860	0.890							1.080	0.550	0.734	0.143
Heptane	60	0.140	0.210	0.211	0.410	0.506							1.010	0.100	0.345	0.196
Hexachlorocyclopentadiene	60	0.000	0.000	0.000	0.000	0.000							0.030	0.000	0.001	0.002
Hexane	60	0.269	0.368	0.553	0.903	1.111							2.070	0.170	0.672	0.411
Hexylbenzene	60	0.070	0.080	0.150	0.230	0.260							0.370	0.050	0.160	0.079
Iodane	60	0.030	0.060	0.080	0.100	0.113							0.180	0.030	0.094	0.035
Indolene	60	0.380	0.760	1.110	2.265	3.772							8.230	0.280	1.817	1.614
Isobutylbenzene	60	0.020	0.030	0.030	0.040	0.041							0.060	0.010	0.032	0.010
Isopentane	60	0.959	1.178	2.370	3.653	4.821							8.660	0.710	2.774	1.762
Isopropylbenzene	60	0.030	0.080	0.155	0.383	0.713							1.300	0.040	0.279	0.283
m and p-Xylene	60	0.030	0.040	0.060	0.060	0.081							0.110	0.020	0.057	0.019
Methylcyclohexane	60	0.060	0.078	1.198	1.538	2.189							4.120	0.350	1.285	0.769
Methylcyclopentane	60	0.140	0.210	0.337	0.493	0.649							0.940	0.040	0.172	0.136
Nonadecane	38	0.060	0.080	0.853	1.170	3.506							1.710	0.060	0.634	0.633
n-Butylbenzene	60	0.020	0.038	0.040	0.060	0.076							0.090	0.030	0.040	0.016
Nonane	60	0.050	0.100	0.150	0.213	0.283							0.640	0.030	0.168	0.102
n-Propylbenzene	60	0.030	0.080	0.130	0.180	0.184							0.260	0.040	0.122	0.053
Octane	60	0.060	0.090	0.145	0.200	0.213							1.130	0.040	0.108	0.149
o-Xylene	60	0.169	0.245	0.405	0.523	0.744							1.410	0.120	0.442	0.296
p-Cymene	60	0.030	0.060	0.080	0.100	0.150							0.190	0.010	0.082	0.041
Pentane	60	0.409	0.755	1.115	1.630	2.304							4.080	0.340	1.307	0.794
Propane	60	0.750	1.275	1.833	2.800	4.196							5.930	0.430	2.107	1.341
Propylene	60	0.280	0.350	0.490	0.765	1.164							2.260	0.190	0.640	0.418
sec-Butylbenzene	60	0.020	0.030	0.030	0.040	0.050							0.060	0.010	0.034	0.011
Styrene	60	0.030	0.060	0.080	0.110	0.150							0.270	0.010	0.090	0.052
tert-Butylbenzene	60	0.000	0.020	0.020	0.030	0.030							0.040	0.000	0.022	0.009
Tetradecane	60	0.130	0.170	0.280	0.553	0.836							2.000	0.110	0.418	0.346
Toluene	60	1.057	1.515	2.750	3.938	5.037							9.400	0.890	3.034	1.868

Table S1: VOC Annual Statistics at Ottawa (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std Dev.
		5%	25%	50%	75%	99%										
trans-1,2-Dichloroethylene	60	0.020	0.030	0.030	0.040	0.040		0.050					0.030	0.020	0.033	0.008
trans-1,2-Dimethylcyclohexane	60	0.010	0.020	0.030	0.050	0.061		0.230					0.030	0.000	0.039	0.033
trans-1,3-Dichloropropene	60	0.000	0.000	0.010	0.020	0.030		0.030					0.000	0.000	0.012	0.012
trans-1,4-Dimethylcyclohexane	60	0.010	0.020	0.020	0.030	0.050		0.180					0.010	0.010	0.029	0.024
trans-2-Butene	60	0.000	0.120	0.165	0.293	0.421		0.910					0.070	0.070	0.231	0.164
trans-2-Heptene	60	0.000	0.010	0.020	0.030	0.040		0.080					0.000	0.000	0.022	0.015
trans-2-Hexene	60	0.030	0.040	0.050	0.070	0.091		0.130					0.020	0.020	0.056	0.025
trans-2-Pentene	60	0.070	0.110	0.165	0.240	0.303		0.530					0.060	0.060	0.184	0.104
trans-3-Heptene	60	0.000	0.010	0.020	0.030	0.040		0.050					0.000	0.000	0.022	0.013
trans-3-Methyl-2-pentene	60	0.010	0.030	0.040	0.050	0.070		0.120					0.000	0.000	0.044	0.022
trans-4-Methyl-2-pentene	60	0.000	0.000	0.000	0.000	0.020		0.030					0.000	0.000	0.004	0.008
Trichloroethylene	60	0.050	0.070	0.090	0.120	0.150		0.230					0.040	0.040	0.098	0.040
Undecane	60	0.050	0.118	0.210	0.263	0.372		1.060					0.040	0.040	0.226	0.182
Vinylchloride	60	0.010	0.020	0.020	0.020	0.030		0.030					0.010	0.010	0.021	0.006

Table 52: VOC Annual Statistics at Sarnia (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	99%				
1,1,1-Trichloroethane	55	0.217	0.240	0.260	0.280	0.300	1.470	0.180	0.283	0.166
1,1,2,2-Tetrachloroethane	55	0.030	0.040	0.060	0.070	0.070	0.080	0.020	0.057	0.017
1,1,2-Trichloroethane	55	0.027	0.035	0.050	0.050	0.060	0.060	0.020	0.044	0.012
1,1-Dichloroethane	55	0.020	0.030	0.040	0.040	0.046	0.050	0.010	0.035	0.009
1,1-Dichloroethene	55	0.030	0.050	0.070	0.080	0.080	0.100	0.020	0.063	0.018
1,2,3-Trimethylbenzene	55	0.047	0.070	0.100	0.160	0.238	0.330	0.030	0.127	0.081
1,2,4-Trichlorobenzene	55	0.000	0.060	0.090	0.110	0.136	0.230	0.000	0.086	0.048
1,2,4-Trimethylbenzene	55	0.131	0.235	0.340	0.540	0.934	1.310	0.070	0.447	0.313
1,2-Dichlorobenzene	55	0.000	0.030	0.050	0.060	0.076	0.110	0.000	0.048	0.026
1,2-Dichloroethane	55	0.060	0.070	0.070	0.085	0.100	0.160	0.060	0.080	0.020
1,2-Dichloropropane	55	0.000	0.030	0.040	0.040	0.050	0.060	0.000	0.034	0.015
1,2-Diethylbenzene	55	0.020	0.020	0.030	0.040	0.056	0.070	0.010	0.033	0.014
1,3,5-Trimethylbenzene	55	0.047	0.080	0.120	0.175	0.288	0.410	0.030	0.147	0.099
1,3-Butadiene	55	0.050	0.090	0.110	0.205	0.518	2.580	0.040	0.261	0.429
1,3-Dichlorobenzene	55	0.000	0.030	0.050	0.060	0.070	0.090	0.000	0.045	0.024
1,3-Diethylbenzene	55	0.020	0.030	0.050	0.060	0.100	0.160	0.020	0.055	0.030
1,4-Dichlorobenzene	55	0.057	0.075	0.100	0.140	0.180	0.360	0.040	0.113	0.057
1,4-Dichlorobutane	55	0.000	0.000	0.000	0.000	0.030	0.040	0.090	0.006	0.012
1,4-Diethylbenzene	55	0.050	0.070	0.110	0.175	0.254	0.350	0.040	0.137	0.082
1-Butene/Isobutene	55	0.257	0.410	0.520	0.875	2.034	4.940	0.210	0.913	1.043
1-Butyne	55	0.000	0.000	0.020	0.025	0.030	0.040	0.000	0.015	0.013
1-Decene	55	0.000	0.000	0.030	0.055	0.090	0.130	0.000	0.035	0.036
1-Heptene	55	0.040	0.060	0.100	0.160	0.212	0.450	0.000	0.117	0.080
1-Hexene	55	0.097	0.145	0.180	0.255	0.392	2.490	0.080	0.313	0.439
1-Methylcyclohexene	55	0.020	0.040	0.050	0.060	0.070	0.080	0.010	0.049	0.016
1-Methylcyclopentene	55	0.030	0.040	0.060	0.080	0.123	0.220	0.010	0.070	0.042
1-Nonene	55	0.000	0.025	0.030	0.045	0.060	0.110	0.000	0.035	0.023
1-Octene	55	0.020	0.030	0.030	0.045	0.066	0.170	0.000	0.043	0.032
1-Pentene	55	0.070	0.105	0.140	0.190	0.310	0.740	0.060	0.183	0.130
1-Propyne	55	0.000	0.035	0.060	0.095	0.130	0.180	0.000	0.067	0.048
1-Undecene	41	0.000	0.000	0.000	0.040	0.050	1.130	0.000	0.049	0.175
2,2,3-Trimethylbutane	55	0.000	0.000	0.000	0.020	0.020	0.060	0.000	0.009	0.014
2,2,4-Trimethylpentane	55	0.120	0.210	0.300	0.555	1.108	4.900	0.090	0.582	0.824

Table 52: VOC Annual Statistics at Sarnia (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
2,2,5-Trimethylhexane	55	0.010	0.020	0.020	0.040	0.066	0.080	0.010	0.033	0.020
2,2-Dimethylbutane	55	0.087	0.145	0.200	0.290	0.418	0.980	0.070	0.242	0.158
2,2-Dimethylhexane	55	0.017	0.020	0.030	0.040	0.060	0.060	0.010	0.028	0.010
2,2-Dimethylpentane	55	0.020	0.030	0.050	0.070	0.118	0.570	0.010	0.071	0.085
2,2-Dimethylpropane	55	0.030	0.040	0.060	0.070	0.096	0.150	0.030	0.060	0.025
2,3,4-Trimethylpentane	55	0.047	0.075	0.110	0.205	0.378	0.960	0.040	0.174	0.176
2,3-Dimethylbutane	55	0.077	0.140	0.270	0.455	0.736	1.740	0.060	0.358	0.309
2,3-Dimethylpentane	55	0.070	0.120	0.190	0.345	0.428	0.890	0.050	0.243	0.168
2,4-Dimethylhexane	55	0.037	0.060	0.090	0.145	0.236	0.750	0.030	0.126	0.121
2,4-Dimethylpentane	55	0.037	0.080	0.120	0.210	0.330	0.720	0.030	0.164	0.145
2,5-Dimethylhexane	55	0.027	0.040	0.060	0.100	0.176	0.520	0.020	0.090	0.085
2,5-Dimethylpentane	55	0.000	0.030	0.060	0.105	0.268	0.420	0.000	0.095	0.098
2-Ethyl-1-Butene	55	0.050	0.080	0.110	0.165	0.256	0.360	0.030	0.137	0.086
2-Ethylhexane	55	0.084	0.150	0.240	0.415	0.838	2.590	0.060	0.380	0.424
2-Methyl-1-butene	55	0.057	0.090	0.160	0.240	0.430	0.910	0.050	0.206	0.173
2-Methylheptane	55	0.047	0.085	0.140	0.225	0.322	0.520	0.040	0.169	0.110
2-Methylpentane	55	0.090	0.185	0.360	0.615	0.846	1.840	0.080	0.437	0.340
3,6-Dimethyloctane	55	0.314	0.600	1.190	2.100	3.258	10.020	0.280	1.705	1.758
3-Ethylhexane	55	0.007	0.020	0.030	0.040	0.056	0.090	0.000	0.030	0.018
3-Methyl-1-butene	41	0.020	0.030	0.050	0.090	0.110	0.290	0.020	0.068	0.055
3-Methylheptane	55	0.017	0.070	0.120	0.205	0.296	0.460	0.030	0.149	0.105
3-Methylhexane	55	0.100	0.205	0.390	0.650	0.924	2.010	0.100	0.480	0.369
3-Methylpentane	55	0.237	0.440	0.770	1.310	2.628	10.850	0.170	1.416	2.024
4-Ethylhexane	55	0.070	0.110	0.140	0.220	0.334	0.450	0.040	0.181	0.105
4-Methyl-1-pentene	55	0.000	0.030	0.040	0.050	0.066	0.100	0.000	0.038	0.025
4-Methylheptane	55	0.017	0.030	0.050	0.090	0.130	0.210	0.000	0.066	0.047
Acetylene	55	0.422	0.783	1.195	1.946	2.607	3.491	0.311	1.398	0.793
Benzene	55	0.397	0.695	0.840	1.465	2.448	6.590	0.350	1.296	1.146
Benzylchloride	55	0.030	0.040	0.050	0.050	0.060	0.070	0.020	0.046	0.010
Bromodichloromethane	55	0.047	0.065	0.080	0.115	0.130	0.170	0.040	0.087	0.032
Bromoforn	55	0.030	0.045	0.060	0.065	0.070	0.080	0.030	0.056	0.014

Table 52: VOC Annual Statistics at Sarnia (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std. Dev.
		5%	25%	50%	75%	90%										
Bromomethane	55	0.100	0.125	0.150	0.165	0.186							0.200	0.090	0.146	0.028
Butane	55	0.727	1.785	2.900	5.325	8.566							20.480	0.470	4.204	3.790
Carbon tetrachloride	55	0.515	0.605	0.640	0.680	0.716							0.780	0.440	0.641	0.070
Chlorobenzene	55	0.000	0.000	0.000	0.000	0.000							0.000	0.000	0.000	0.000
Chloroethane	55	0.050	0.060	0.070	0.080	0.090							0.250	0.040	0.077	0.031
Chloroform	55	0.100	0.110	0.120	0.130	0.166							0.270	0.080	0.133	0.036
Chloromethane	55	1.057	1.140	1.260	1.565	3.760							26.970	1.010	2.591	4.255
cis-1,2-Dichloroethylene	55	0.010	0.030	0.030	0.050	0.050							0.060	0.000	0.038	0.013
cis-1,2-Dimethylcyclohexane	55	0.020	0.030	0.040	0.040	0.060							0.070	0.000	0.038	0.013
cis-1,3-Dichloropropene	55	0.000	0.000	0.000	0.000	0.010							0.290	0.000	0.007	0.039
cis-1,3-Dimethylcyclohexane	55	0.020	0.040	0.050	0.080	0.130							0.220	0.010	0.069	0.051
cis-1,4+1,3-Dimethylcyclohexane	55	0.010	0.020	0.020	0.030	0.050							0.070	0.000	0.027	0.016
cis-2-Butene	55	0.050	0.080	0.110	0.175	0.302							0.870	0.040	0.173	0.176
cis-2-Heptene	55	0.030	0.040	0.050	0.060	0.080							0.180	0.000	0.053	0.026
cis-2-Hexene	55	0.000	0.030	0.030	0.050	0.080							0.130	0.000	0.042	0.029
cis-2-Pentene	55	0.040	0.060	0.090	0.130	0.252							0.610	0.030	0.122	0.103
cis-3-Methyl-2-pentene	55	0.020	0.030	0.030	0.050	0.090							0.140	0.000	0.044	0.030
cis-4-Methyl-2-pentene	55	0.000	0.000	0.000	0.000	0.032							0.080	0.000	0.007	0.020
Cyclohexane	55	0.047	0.130	0.240	0.615	2.006							8.310	0.030	0.801	1.616
Cyclopentane	55	0.020	0.030	0.040	0.050	0.060							0.070	0.000	0.041	0.016
Cyclopentene	55	0.074	0.130	0.250	0.390	0.566							1.680	0.050	0.318	0.291
Decane	55	0.030	0.040	0.050	0.070	0.102							0.230	0.020	0.065	0.037
Dibromochloromethane	55	0.057	0.085	0.160	0.255	0.598							1.190	0.040	0.247	0.253
Dibromomethane	55	0.030	0.040	0.060	0.070	0.080							0.090	0.020	0.058	0.017
Dichloromethane	55	0.227	0.275	0.380	0.580	1.008							2.650	0.180	0.541	0.494
Dodecane	54	0.047	0.090	0.160	0.250	0.397							0.930	0.030	0.218	0.193
EDB	55	0.030	0.040	0.060	0.070	0.070							0.090	0.020	0.057	0.016
Ethane	55	1.590	2.860	3.748	5.257	6.929							14.496	1.351	4.422	2.523
Ethylbenzene	55	0.145	0.235	0.430	0.685	1.092							1.930	0.100	0.534	0.414
Ethyl bromide	55	0.020	0.030	0.030	0.040	0.040							0.050	0.010	0.033	0.009
Ethylene	55	0.588	1.253	1.747	2.933	9.234							38.431	0.522	4.302	7.460
FormII	55	1.391	1.520	1.680	1.800	1.866							2.280	1.310	1.680	0.192

Table 52: VOC Annual Statistics at Sarnia (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L S					Max	Min	Mean	Std. Dev.
		5%	25%	50%	75%	90%				
Freon113	55	0.660	0.770	0.810	0.890	1.060	1.900	0.616	0.857	0.205
Freon114	55	0.170	0.200	0.230	0.250	0.270	0.320	0.150	0.226	0.036
Freon12	55	2.558	2.860	3.010	3.400	3.724	5.860	2.380	3.182	0.593
Freon22	55	0.517	0.600	0.670	0.815	0.958	5.520	0.480	0.795	0.672
Heptane	55	0.120	0.225	0.330	0.550	0.826	1.750	0.090	0.436	0.325
Hexachlorobutadiene	55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hexane	55	0.251	0.570	0.900	1.555	4.398	24.280	0.170	2.229	4.355
Hexylbenzene	54	0.060	0.110	0.175	0.250	0.270	0.450	0.050	0.177	0.087
Indane	55	0.030	0.050	0.060	0.090	0.138	0.180	0.020	0.075	0.040
Isobutane	55	0.325	0.865	1.640	3.055	4.594	25.980	0.220	2.646	3.807
iso-Butylbenzene	55	0.020	0.025	0.030	0.040	0.050	0.070	0.010	0.034	0.013
Isopentane	55	0.814	1.525	2.910	4.550	8.182	20.410	0.670	4.139	3.836
Isoprene	55	0.030	0.055	0.100	0.300	0.550	1.800	0.030	0.233	0.313
iso-Propylbenzene	55	0.030	0.040	0.050	0.075	0.100	0.130	0.020	0.061	0.028
m and p-Xylene	55	0.312	0.560	0.930	1.830	2.436	3.680	0.210	1.237	0.855
Methylcyclohexane	55	0.050	0.105	0.170	0.265	0.624	1.200	0.040	0.255	0.250
Methylcyclopentane	55	0.107	0.210	0.370	0.665	1.224	5.920	0.090	0.691	1.019
Napthalene	19	0.000	0.000	0.000	0.330	1.136	2.060	0.000	0.334	0.644
n-Butylbenzene	55	0.020	0.030	0.040	0.065	0.090	0.120	0.010	0.049	0.027
Nonane	55	0.047	0.070	0.140	0.185	0.366	0.740	0.030	0.181	0.164
n-Propylbenzene	55	0.047	0.070	0.100	0.155	0.232	0.320	0.030	0.126	0.076
Octane	55	0.050	0.100	0.150	0.225	0.418	0.720	0.040	0.204	0.167
o-Xylene	55	0.121	0.200	0.340	0.595	0.828	1.190	0.090	0.421	0.283
p-Cymene	55	0.020	0.035	0.060	0.075	0.110	0.160	0.000	0.061	0.036
Pentane	55	0.451	0.905	1.600	2.470	4.100	12.880	0.410	2.167	2.019
Propane	55	1.249	2.425	3.700	7.595	10.278	16.350	0.820	5.377	3.957
Propylene	55	0.194	0.415	0.640	1.280	3.556	12.600	0.130	1.495	2.374
sec-Butylbenzene	55	0.020	0.025	0.030	0.040	0.060	0.090	0.010	0.037	0.016
Styrene	55	0.030	0.060	0.080	0.130	0.236	0.700	0.020	0.121	0.128
tert-Butylbenzene	55	0.000	0.020	0.020	0.030	0.036	0.050	0.000	0.022	0.013
Tetrachloroethylene	55	0.110	0.145	200	0.290	0.404	0.620	0.080	0.239	0.130
Toluene	55	0.609	1.105	1.810	4.480	6.268	16.090	0.520	3.212	3.183
trans-1,2-Dichloroethylene	55	0.020	0.030	0.040	0.040	0.040	0.050	0.010	0.033	0.010

Table 52: VOC Annual Statistics at Sarnia (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
trans-1,2-Dimethylcyclohexane	55	0.007	0.020	0.030	0.050	0.090	0.160	0.000	0.045	0.037
trans-1,3-Dichloropropene	55	0.000	0.000	0.020	0.020	0.030	0.250	0.000	0.017	0.034
trans-1,4-Dimethylcyclohexane	55	0.010	0.020	0.020	0.035	0.066	0.100	0.010	0.032	0.023
trans-2-Butene	55	0.050	0.070	0.120	0.215	0.360	0.790	0.030	0.178	0.169
trans-2-Heptene	55	0.000	0.010	0.010	0.030	0.040	0.050	0.000	0.017	0.014
trans-2-Hexene	55	0.020	0.030	0.040	0.060	0.116	0.180	0.010	0.056	0.038
trans-2-Pentene	55	0.040	0.070	0.120	0.170	0.290	0.970	0.040	0.166	0.169
trans-3-Heptene	55	0.000	0.000	0.020	0.030	0.040	0.060	0.000	0.019	0.017
trans-3-Methyl-2-pentene	55	0.000	0.030	0.040	0.050	0.090	0.140	0.000	0.044	0.031
trans-4-Methyl-2-pentene	55	0.000	0.000	0.000	0.000	0.016	0.040	0.000	0.003	0.009
Trichloroethylene	55	0.050	0.080	0.090	0.145	0.186	0.500	0.040	0.118	0.076
Undecane	55	0.050	0.100	0.150	0.250	0.458	0.910	0.030	0.218	0.203
Vinylchloride	55	0.010	0.020	0.030	0.040	0.082	0.290	0.010	0.046	0.057

Table 53: VOC Annual Statistics at Simcoe (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
1,1,1-Trichloroethane	60	0.230	0.250	0.260	0.290	0.301	0.390	0.210	0.270	0.033
1,1,2,2-Tetrachloroethane	60	0.030	0.048	0.060	0.070	0.070	0.100	0.020	0.057	0.017
1,1,2-Trichloroethane	60	0.020	0.038	0.050	0.060	0.060	0.070	0.010	0.045	0.014
1,1-Dichloroethane	60	0.020	0.020	0.040	0.040	0.050	0.050	0.000	0.034	0.012
1,1-Dichloroethylene	60	0.030	0.050	0.060	0.073	0.080	0.090	0.020	0.061	0.019
1,2,3-Trimethylbenzene	60	0.030	0.040	0.060	0.080	0.100	0.140	0.020	0.064	0.028
1,2,4-Trichlorobenzene	60	0.000	0.000	0.090	0.120	0.141	0.250	0.000	0.075	0.065
1,2,4-Trimethylbenzene	60	0.070	0.110	0.150	0.203	0.281	0.500	0.000	0.167	0.082
1,2-Dichlorobenzene	60	0.000	0.030	0.050	0.060	0.080	0.100	0.000	0.047	0.027
1,2-Dichloroethane	60	0.050	0.060	0.070	0.080	0.090	0.110	0.050	0.071	0.014
1,2-Dichloropropane	60	0.010	0.030	0.040	0.050	0.050	0.070	0.000	0.038	0.014
1,2-Dichlorobenzene	60	0.010	0.020	0.030	0.040	0.040	0.080	0.010	0.029	0.013
1,3,5-Trimethylbenzene	60	0.030	0.040	0.055	0.070	0.100	0.170	0.020	0.060	0.027
1,3-Butadiene	60	0.030	0.040	0.050	0.060	0.070	0.120	0.000	0.050	0.019
1,3-Dichlorobenzene	60	0.000	0.030	0.050	0.060	0.071	0.090	0.000	0.044	0.025
1,3-Dichlorobenzene	60	0.020	0.028	0.030	0.040	0.050	0.060	0.010	0.033	0.012
1,4-Dichlorobenzene	60	0.030	0.040	0.050	0.060	0.070	0.090	0.030	0.051	0.014
1,4-Dichlorobutane	60	0.000	0.000	0.000	0.020	0.040	0.050	0.000	0.011	0.016
1,4-Dichlorobenzene	60	0.030	0.050	0.070	0.090	0.111	0.150	0.030	0.073	0.028
1-Butene Isobutene	60	0.180	0.220	0.250	0.300	0.372	0.550	0.150	0.268	0.078
1-Butyne	60	0.000	0.000	0.020	0.020	0.030	0.030	0.000	0.014	0.011
1-Decene	60	0.000	0.000	0.025	0.040	0.050	0.130	0.000	0.023	0.025
1-Heptene	60	0.010	0.030	0.040	0.050	0.071	0.150	0.000	0.044	0.029
1-Hexene	60	0.060	0.090	0.120	0.150	0.171	0.230	0.060	0.122	0.040
1-Methylcyclohexene	60	0.020	0.030	0.040	0.050	0.060	0.070	0.010	0.042	0.014
1-Methylcyclopentene	60	0.010	0.030	0.040	0.040	0.050	0.060	0.010	0.035	0.012
1-Nonene	60	0.000	0.020	0.030	0.030	0.040	0.120	0.000	0.025	0.021
1-Octene	60	0.000	0.020	0.020	0.030	0.040	0.100	0.000	0.025	0.015
1-Pentene	60	0.050	0.070	0.080	0.100	0.110	0.160	0.040	0.085	0.022
1-Propyne	60	0.000	0.000	0.000	0.050	0.060	0.100	0.000	0.021	0.028
1-Undecene	46	0.000	0.000	0.000	0.048	0.065	0.520	0.000	0.034	0.082
2,2,3-Trimethylbutane	60	0.000	0.000	0.000	0.000	0.011	0.020	0.000	0.003	0.007
2,2,4-Trimethylpentane	60	0.070	0.100	0.150	0.203	0.293	0.490	0.060	0.168	0.087

Table 53: VOC Annual Statistics at Simcoe (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
2,2,5-Trimethylhexane	60	0.010	0.010	0.020	0.020	0.030	0.040	0.000	0.017	0.008
2,2-Dimethylbutane	60	0.050	0.080	0.100	0.130	0.160	0.200	0.040	0.106	0.040
2,2-Dimethylhexane	60	0.010	0.018	0.020	0.020	0.030	0.050	0.000	0.020	0.008
2,2-Dimethylpentane	60	0.000	0.020	0.020	0.030	0.031	0.060	0.000	0.022	0.011
2,2-Dimethylpropane	60	0.020	0.038	0.040	0.050	0.060	0.100	0.020	0.042	0.014
2,2,4-Trimethylpentane	60	0.030	0.040	0.055	0.070	0.100	0.180	0.020	0.061	0.029
2,3-Dimethylbutane	60	0.030	0.060	0.080	0.120	0.151	0.260	0.020	0.092	0.051
2,3-Dimethylpentane	60	0.030	0.050	0.080	0.103	0.171	0.280	0.030	0.090	0.053
2,4-Dimethylhexane	60	0.020	0.030	0.045	0.050	0.080	0.130	0.020	0.047	0.023
2,4-Dimethylpentane	60	0.010	0.030	0.050	0.060	0.081	0.140	0.000	0.048	0.026
2,5-Dimethylbenzaldehyde	54	0.000	0.000	0.000	0.019	0.030	0.073	0.000	0.009	0.016
2,5-Dimethylhexane	60	0.010	0.020	0.030	0.040	0.050	0.090	0.000	0.030	0.015
2-Ethyl-1-Butene	60	0.000	0.000	0.000	0.020	0.030	0.040	0.000	0.009	0.012
2-Ethylhexane	60	0.030	0.048	0.060	0.070	0.091	0.160	0.020	0.062	0.025
2-Methyl-1-butene	60	0.050	0.080	0.110	0.130	0.151	0.200	0.030	0.108	0.037
2-Methyl-2-butene	60	0.020	0.030	0.040	0.060	0.091	0.220	0.020	0.050	0.034
2-Methylheptane	60	0.030	0.048	0.060	0.080	0.100	0.210	0.020	0.066	0.032
2-Methylhexane	60	0.040	0.078	0.110	0.163	0.230	0.650	0.030	0.136	0.112
2-Methylpentane	60	0.159	0.240	0.340	0.495	0.616	0.980	0.110	0.384	0.190
2-Pentanone (isovaleraldehyde)	54	0.000	0.085	0.140	0.246	0.307	0.439	0.000	0.163	0.118
3,6-Dimethyloctane	60	0.000	0.010	0.020	0.020	0.030	0.040	0.000	0.016	0.009
3-Ethylhexane	60	0.050	0.078	0.105	0.130	0.181	0.350	0.040	0.111	0.054
3-Methyl-1-butene	45	0.010	0.020	0.020	0.020	0.030	0.030	0.010	0.019	0.006
3-Methyl-1-pentene	60	0.000	0.000	0.020	0.030	0.030	0.060	0.000	0.018	0.015
3-Methylheptane	60	0.020	0.030	0.040	0.060	0.081	0.190	0.000	0.049	0.029
3-Methylhexane	60	0.050	0.080	0.110	0.180	0.271	1.070	0.030	0.163	0.173
3-Methylpentane	60	0.100	0.170	0.230	0.298	0.421	0.780	0.080	0.260	0.144
4-Ethylhexane	60	0.040	0.070	0.090	0.120	0.132	0.210	0.030	0.093	0.037
4-Methyl-1-pentene	60	0.000	0.000	0.020	0.030	0.040	0.070	0.000	0.019	0.016
4-Methylheptane	60	0.000	0.020	0.020	0.030	0.040	0.080	0.000	0.022	0.014
Acetaldehyde	54	0.684	1.110	1.635	2.049	2.635	8.429	0.547	1.814	1.184
Acetone	54	1.491	2.446	3.739	4.689	5.908	10.052	1.122	3.903	1.858
Acetylene	60	0.203	0.406	0.724	1.215	1.998	2.654	0.138	0.913	0.661

Table 53: VOC Annual Statistics at Simcoe (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
Acrolein	54	0.024	0.040	0.071	0.107	0.193	1.001	0.013	0.101	0.137
Benzaldehyde	54	0.034	0.072	0.131	0.225	0.278	1.781	0.032	0.186	0.251
Benzene	60	0.220	0.340	0.465	0.665	0.861	1.360	0.140	0.522	0.243
Benzylchloride	60	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.003
Bromodichloromethane	60	0.040	0.060	0.070	0.080	0.090	0.120	0.030	0.069	0.020
Bromoforn	59	0.030	0.050	0.060	0.060	0.070	0.090	0.030	0.055	0.014
Bromomethane	60	0.100	0.120	0.145	0.160	0.170	0.560	0.090	0.148	0.059
Bromotrichloromethane	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Butane	60	0.436	0.730	1.280	2.165	3.167	5.730	0.270	1.591	1.120
Carbontetrachloride	60	0.549	0.608	0.640	0.663	0.690	0.800	0.520	0.636	0.053
Chlorobenzene	60	0.020	0.040	0.050	0.050	0.060	0.070	0.020	0.044	0.012
Chloroethane	60	0.040	0.050	0.060	0.070	0.071	0.210	0.030	0.062	0.023
Chloroform	60	0.080	0.090	0.100	0.110	0.120	0.140	0.070	0.103	0.014
Chloromethane	60	0.979	1.038	1.090	1.150	1.191	1.300	0.920	1.093	0.080
cis-1,2-Dichloroethylene	60	0.010	0.030	0.040	0.040	0.050	0.060	0.010	0.034	0.012
cis-1,2-Dimethylcyclohexane	60	0.020	0.020	0.030	0.030	0.040	0.050	0.010	0.029	0.009
cis-1,3-Dichloropropene	60	0.000	0.000	0.005	0.033	0.272	2.250	0.000	0.111	0.336
cis-1,3-Dimethylcyclohexane	60	0.010	0.020	0.030	0.040	0.051	0.090	0.010	0.031	0.016
cis-1,4-1,3-Dimethylcyclohexane	60	0.010	0.010	0.010	0.020	0.020	0.040	0.000	0.014	0.006
cis-2-Butene	60	0.030	0.040	0.050	0.060	0.070	0.130	0.020	0.049	0.017
cis-2-Heptene	60	0.010	0.028	0.030	0.040	0.041	0.060	0.000	0.031	0.012
cis-2-Hexene	60	0.000	0.000	0.020	0.030	0.030	0.040	0.000	0.018	0.013
cis-2-Pentene	60	0.020	0.020	0.030	0.040	0.061	0.120	0.000	0.037	0.022
cis-3-Methyl-2-pentene	60	0.000	0.000	0.010	0.020	0.020	0.050	0.000	0.011	0.010
cis-4-Methyl-2-pentene	60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crotonaldehyde	54	0.023	0.039	0.063	0.114	0.209	0.355	0.013	0.092	0.078
Cyclohexane	60	0.020	0.040	0.060	0.110	0.190	0.380	0.000	0.084	0.066
Cyclohexene	60	0.000	0.020	0.030	0.040	0.040	0.060	0.000	0.029	0.014
Cyclopentane	60	0.030	0.050	0.070	0.100	0.140	0.210	0.020	0.079	0.041
Cyclopentene	60	0.020	0.028	0.040	0.040	0.050	0.060	0.010	0.034	0.011
Decane	60	0.050	0.080	0.100	0.130	0.151	0.550	0.040	0.113	0.071
Dibromochloromethane	60	0.030	0.048	0.060	0.070	0.070	0.080	0.020	0.056	0.016
Dibromomethane	60	0.060	0.090	0.110	0.120	0.121	0.130	0.050	0.101	0.022

Table 53: VOC Annual Statistics at Simcoe (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
			5%		25%		50%		75%		90%						
Dichloromethane	60	0.180		0.210		0.250		0.310		0.334		0.720	0.150	0.278	0.113		
Dodecane	60	0.050		0.070		0.090		0.123		0.160		0.190	0.040	0.100	0.038		
EDB	60	0.030		0.040		0.060		0.070		0.080		0.090	0.020	0.056	0.017		
Ethane	60	1.219		1.932		2.921		4.164		5.152		7.610	0.953	3.167	1.536		
Ethylbenzene	60	0.070		0.120		0.165		0.203		0.280		0.670	0.050	0.178	0.097		
Ethylbromide	60	0.010		0.030		0.030		0.040		0.040		0.050	0.010	0.032	0.011		
Ethylene	60	0.291		0.460		0.566		0.923		1.312		2.119	0.229	0.733	0.391		
Formaldehyde	54	1.068		2.280		2.962		4.551		5.556		35.494	0.908	3.841	4.659		
Freon11	60	1.380		1.543		1.635		1.730		1.811		2.090	1.200	1.633	0.161		
Freon113	60	1.030		1.110		1.180		1.245		1.432		1.650	0.990	1.215	0.157		
Freon114	60	0.170		0.190		0.220		0.240		0.250		0.270	0.160	0.217	0.030		
Freon12	60	2.298		2.625		2.750		2.873		2.971		4.300	2.000	2.752	0.316		
Freon22	60	0.550		0.600		0.630		0.703		0.760		1.280	0.480	0.660	0.117		
Heptane	60	0.070		0.120		0.160		0.213		0.315		1.010	0.060	0.197	0.160		
Hexachlorobutadiene	60	0.000		0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000		
Hexanal	54	0.061		0.100		0.174		0.380		0.537		4.371	0.047	0.324	0.595		
Hexane	60	0.110		0.198		0.290		0.453		0.621		17.500	0.110	0.651	2.254		
Hexylbenzene	60	0.050		0.100		0.165		0.230		0.282		0.380	0.040	0.175	0.089		
Indane	60	0.020		0.030		0.040		0.050		0.060		0.090	0.020	0.043	0.015		
Isobutane	60	0.179		0.310		0.540		0.870		1.445		2.240	0.110	0.690	0.486		
iso-Butylbenzene	60	0.010		0.020		0.030		0.030		0.040		0.040	0.010	0.026	0.010		
Isopentane	60	0.360		0.618		0.950		1.433		1.782		2.980	0.290	1.043	0.564		
Isoprene	60	0.020		0.030		0.040		0.050		0.050		1.800	0.020	0.175	0.318		
iso-Propylbenzene	60	0.020		0.030		0.040		0.040		0.050		0.070	0.020	0.037	0.012		
m and p-Xylene	60	0.140		0.245		0.350		0.478		0.621		1.700	0.110	0.398	0.242		
MEK	54	0.460		0.790		1.354		1.643		1.996		6.764	0.208	1.361	0.936		
Methylcyclohexane	60	0.030		0.040		0.065		0.093		0.161		0.260	0.020	0.082	0.035		
Methylcyclopentane	60	0.050		0.080		0.120		0.183		0.254		3.590	0.030	0.202	0.458		
MIBK	54	0.000		0.005		0.064		0.106		0.181		0.886	0.000	0.088	0.133		
m-Tolualdehyde	54	0.000		0.000		0.000		0.018		0.028		0.117	0.000	0.010	0.020		
Naphthalene	33	0.000		0.000		0.000		0.000		1.056		1.340	0.000	0.268	0.486		
n-Butylbenzene	60	0.020		0.020		0.030		0.040		0.060		0.060	0.010	0.032	0.012		
Nonane	60	0.030		0.030		0.060		0.080		0.101		0.200	0.020	0.067	0.031		

Table 53: VOC Annual Statistics at Simcoe (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%			
n-Propylbenzene	60	0.030	0.050	0.060	0.070	0.090	0.020	0.060	0.023
Octane	60	0.030	0.050	0.070	0.090	0.120	0.030	0.075	0.034
o-Tolualdehyde	54	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.013
o-Xylene	60	0.060	0.098	0.130	0.170	0.221	0.040	0.143	0.080
p-Cymene	60	0.020	0.030	0.050	0.143	0.471	0.020	0.156	0.247
Pentane	60	0.240	0.398	0.545	0.780	1.004	0.180	0.619	0.326
Propane	60	0.750	1.150	1.895	2.818	4.082	0.290	2.216	1.382
Propionaldehyde	54	0.157	0.269	0.397	0.517	0.664	0.110	0.429	0.253
Propylene	60	0.120	0.160	0.205	0.285	0.383	0.110	0.239	0.109
p-Tolualdehyde	54	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.008
sec-Butylbenzene	60	0.010	0.020	0.030	0.030	0.040	0.010	0.026	0.010
Styrene	60	0.020	0.038	0.045	0.060	0.080	0.020	0.050	0.024
tert-Butylbenzene	60	0.000	0.018	0.020	0.030	0.030	0.000	0.020	0.011
Tetrachloroethylene	60	0.080	0.100	0.120	0.160	0.201	0.060	0.137	0.057
Toluene	60	0.350	0.555	0.790	1.088	1.620	0.250	0.923	0.569
trans-1,2-Dichloroethylene	60	0.020	0.028	0.030	0.040	0.040	0.000	0.032	0.019
trans-1,2-Dimethylcyclohexane	60	0.000	0.010	0.020	0.023	0.031	0.000	0.019	0.013
trans-1,3-Dichloropropene	60	0.000	0.020	0.020	0.040	0.204	0.000	0.088	0.205
trans-1,4-Dimethylcyclohexane	60	0.010	0.010	0.010	0.020	0.020	0.000	0.015	0.007
trans-2-Butene	60	0.030	0.030	0.040	0.050	0.070	0.010	0.047	0.020
trans-2-Heptene	60	0.000	0.000	0.010	0.010	0.030	0.000	0.012	0.011
trans-2-Hexene	60	0.000	0.010	0.020	0.020	0.030	0.000	0.018	0.009
trans-2-Pentene	60	0.010	0.020	0.030	0.040	0.050	0.010	0.032	0.016
trans-3-Heptene	60	0.000	0.000	0.010	0.020	0.020	0.000	0.011	0.010
trans-3-Methyl-2-pentene	60	0.000	0.000	0.020	0.020	0.030	0.000	0.013	0.012
trans-4-Methyl-2-pentene	60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Trichloroethylene	60	0.040	0.060	0.080	0.090	0.121	0.030	0.081	0.035
Undecane	60	0.060	0.080	0.100	0.120	0.140	0.060	0.114	0.085
Valeraldehyde	54	0.047	0.077	0.125	0.188	0.248	0.028	0.167	0.221
Vinylchloride	60	0.010	0.020	0.020	0.020	0.030	0.010	0.020	0.007

Table 54: VOC Annual Statistics at Stouffville (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std. Dev.
		5%	25%	50%	75%	90%										
1,1,1-Trichloroethane	48	0.214	0.240	0.260	0.273	0.290							0.360	0.160	0.256	0.033
1,1,2,2-Tetrachloroethane	48	0.030	0.040	0.055	0.060	0.070							0.070	0.020	0.051	0.015
1,1,2-Trichloroethane	48	0.020	0.030	0.040	0.050	0.050							0.060	0.010	0.040	0.011
1,1-Dichloroethane	48	0.014	0.028	0.035	0.040	0.040							0.080	0.000	0.033	0.013
1,1-Dichloroethylene	48	0.030	0.040	0.060	0.070	0.080							0.100	0.030	0.056	0.017
1,2,3-Trimethylbenzene	48	0.070	0.050	0.080	0.110	0.150							0.290	0.020	0.098	0.061
1,2,4-Trichlorobenzene	48	0.000	0.070	0.085	0.110	0.123							0.180	0.000	0.081	0.045
1,2,4-Trimethylbenzene	48	0.090	0.178	0.240	0.303	0.322							1.050	0.070	0.317	0.219
1,2-Dichlorobenzene	48	0.000	0.038	0.050	0.060	0.060							0.070	0.000	0.043	0.022
1,2-Dichloroethane	48	0.060	0.060	0.070	0.080	0.090							0.110	0.050	0.072	0.013
1,2-Dichloropropane	48	0.007	0.030	0.040	0.040	0.050							0.050	0.000	0.035	0.013
1,2-Diethylbenzene	48	0.020	0.020	0.030	0.033	0.040							0.050	0.010	0.030	0.009
1,3,5-Trimethylbenzene	48	0.030	0.060	0.080	0.113	0.206							0.350	0.030	0.108	0.072
1,3-Butadiene	48	0.034	0.050	0.080	0.100	0.143							0.260	0.030	0.085	0.050
1,3-Dichlorobenzene	48	0.000	0.030	0.045	0.060	0.060							0.070	0.000	0.041	0.022
1,3-Diethylbenzene	48	0.020	0.030	0.040	0.050	0.070							0.100	0.020	0.041	0.019
1,4-Dichlorobutane	48	0.050	0.060	0.070	0.080	0.110							0.200	0.040	0.077	0.029
1,4-Dichlorobenzene	48	0.000	0.000	0.000	0.000	0.020							0.030	0.000	0.004	0.009
1,4-Diethylbenzene	48	0.040	0.060	0.090	0.133	0.183							0.270	0.040	0.103	0.054
1-Butene (Isobutene)	48	0.171	0.298	0.410	0.503	0.747							2.570	0.140	0.500	0.431
1-Butyne	48	0.000	0.000	0.020	0.020	0.030							0.030	0.000	0.016	0.011
1-Decene	48	0.000	0.000	0.030	0.050	0.070							0.240	0.000	0.032	0.042
1-Heptene	48	0.024	0.030	0.060	0.083	0.150							0.240	0.000	0.074	0.050
1-Hexene	48	0.070	0.098	0.140	0.160	0.193							0.320	0.060	0.140	0.054
1-Methylcyclohexene	48	0.020	0.030	0.050	0.050	0.060							0.070	0.020	0.043	0.014
1-Methylcyclopentene	48	0.020	0.030	0.050	0.050	0.073							0.210	0.010	0.050	0.031
1-Nonene	48	0.000	0.000	0.020	0.030	0.040							0.210	0.000	0.024	0.034
1-Octene	48	0.000	0.020	0.020	0.030	0.040							0.190	0.000	0.027	0.027
1-Pentene	48	0.054	0.060	0.095	0.140	0.218							0.670	0.050	0.133	0.109
1-Propyne	48	0.000	0.000	0.040	0.063	0.100							0.140	0.000	0.040	0.041
1-Undecene	36	0.000	0.000	0.000	0.000	0.050							0.320	0.000	0.018	0.057
2,2,3-Trimethylbutane	48	0.000	0.000	0.000	0.010	0.020							0.050	0.000	0.007	0.010
2,2,4-Trimethylpentane	48	0.104	0.180	0.275	0.405	0.560							2.660	0.050	0.345	0.381

Table 54: VOC Annual Statistics at Stouffville (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%										
2,2,5-Trimethylhexane	48	0.010	0.010	0.020	0.030	0.033							0.060	0.010	0.022	0.011
2,2-Dimethylbutane	48	0.070	0.090	0.120	0.163	0.206							0.430	0.060	0.140	0.079
2,2-Dimethylhexane	48	0.010	0.010	0.020	0.030	0.030							0.060	0.010	0.022	0.011
2,2-Dimethylpentane	48	0.020	0.020	0.030	0.043	0.060							0.110	0.010	0.035	0.019
2,2-Dimethylpropane	48	0.020	0.030	0.040	0.050	0.080							0.170	0.020	0.047	0.027
2,3,4-Trimethylpentane	48	0.040	0.060	0.090	0.123	0.192							0.340	0.030	0.108	0.066
2,3-Dimethylbutane	48	0.070	0.090	0.115	0.203	0.338							0.780	0.030	0.180	0.162
2,3-Dimethylpentane	48	0.060	0.070	0.105	0.160	0.203							0.450	0.040	0.132	0.084
2,4-Dimethylhexane	48	0.030	0.050	0.065	0.100	0.130							0.280	0.020	0.081	0.051
2,4-Dimethylpentane	48	0.030	0.050	0.065	0.100	0.136							0.300	0.020	0.080	0.052
2,5-Dimethylhexane	48	0.020	0.030	0.050	0.070	0.100							0.190	0.020	0.059	0.037
2-Ethyl-1-Butene	48	0.000	0.010	0.030	0.050	0.076							0.360	0.000	0.045	0.062
2-Ethyltoluene	48	0.030	0.060	0.080	0.120	0.183							0.300	0.030	0.100	0.063
2-Methyl-1-butene	48	0.054	0.098	0.150	0.210	0.276							1.230	0.000	0.194	0.208
2-Methyl-2-butene	48	0.030	0.068	0.100	0.153	0.249							1.140	0.020	0.151	0.195
2-Methylheptane	48	0.044	0.068	0.100	0.143	0.223							0.590	0.030	0.127	0.099
2-Methylhexane	48	0.090	0.130	0.180	0.285	0.429							1.040	0.050	0.245	0.188
2-Methylpentane	48	0.294	0.380	0.495	0.855	1.316							3.260	0.150	0.730	0.611
3,6-Dimethyloctane	48	0.004	0.020	0.020	0.033	0.040							0.060	0.000	0.025	0.014
3-Ethyltoluene	48	0.060	0.118	0.160	0.253	0.409							0.680	0.040	0.207	0.144
3-Methyl-1-butene	36	0.020	0.028	0.030	0.050	0.080							0.320	0.010	0.051	0.059
3-Methyl-1-pentene	48	0.000	0.010	0.020	0.030	0.040							0.080	0.000	0.022	0.017
3-Methylheptane	48	0.030	0.050	0.080	0.123	0.193							0.510	0.010	0.105	0.087
3-Methylhexane	48	0.100	0.160	0.190	0.323	0.492							1.080	0.040	0.278	0.212
3-Methylpentane	48	0.210	0.248	0.340	0.593	0.897							2.130	0.100	0.484	0.400
4-Ethyltoluene	48	0.050	0.078	0.105	0.160	0.243							0.390	0.040	0.134	0.081
4-Methyl-1-pentene	48	0.000	0.010	0.020	0.030	0.043							0.060	0.000	0.024	0.017
4-Methylheptane	48	0.020	0.028	0.040	0.050	0.093							0.230	0.000	0.049	0.040
Acetylene	48	0.325	0.796	1.214	1.766	2.428							3.482	0.235	1.351	0.804
Benzene	48	0.291	0.468	0.620	0.888	1.264							1.780	0.280	0.719	0.366
Benzylchloride	48	0.030	0.038	0.050	0.050	0.053							0.060	0.030	0.044	0.010
Bromodichloromethane	48	0.034	0.050	0.070	0.100	0.100							0.120	0.030	0.072	0.026
Bromoform	45	0.030	0.040	0.050	0.060	0.070							0.100	0.030	0.053	0.014

Table 54: VOC Annual Statistics at Stouffville (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%										
Bromomethane	48	0.104	0.110	0.140	0.150	0.160							0.180	0.090	0.135	0.022
Butane	48	0.544	1.120	2.100	3.375	8.167							37.930	0.440	4.165	6.628
Carbon tetrachloride	48	0.524	0.610	0.650	0.690	0.700							0.760	0.490	0.641	0.058
Chlorobenzene	48	0.000	0.000	0.000	0.040	0.040							0.050	0.000	0.016	0.019
Chloroethane	48	0.050	0.050	0.070	0.090	0.100							0.250	0.040	0.076	0.036
Chloroform	48	0.080	0.090	0.100	0.120	0.130							0.150	0.080	0.106	0.018
Chloromethane	48	0.997	1.070	1.100	1.150	1.193							1.310	0.970	1.106	0.070
cis-1,2-Dichloroethylene	48	0.020	0.028	0.030	0.040	0.040							0.050	0.020	0.033	0.009
cis-1,2-Dimethylcyclohexane	48	0.020	0.030	0.030	0.050	0.076							0.130	0.020	0.045	0.026
cis-1,3-Dichloropropene	48	0.000	0.000	0.000	0.000	0.010							0.160	0.000	0.006	0.024
cis-1,3-Dimethylcyclohexane	48	0.020	0.020	0.040	0.070	0.133							0.360	0.010	0.064	0.066
cis-1,4+1,3-Dimethylcyclohexane	48	0.010	0.010	0.020	0.030	0.053							0.100	0.010	0.025	0.020
cis-2-Butene	48	0.040	0.070	0.090	0.130	0.219							1.400	0.030	0.160	0.259
cis-2-Heptene	48	0.004	0.020	0.030	0.040	0.050							0.080	0.000	0.031	0.015
cis-2-Hexene	48	0.000	0.020	0.020	0.030	0.043							0.120	0.000	0.026	0.020
cis-2-Pentene	48	0.020	0.040	0.060	0.090	0.138							0.610	0.010	0.086	0.099
cis-3-Methyl-2-pentene	48	0.000	0.020	0.020	0.030	0.043							0.120	0.000	0.026	0.020
cis-4-Methyl-2-pentene	48	0.000	0.000	0.000	0.000	0.000							0.080	0.000	0.004	0.015
Cyclohexane	48	0.044	0.070	0.100	0.165	0.256							0.630	0.030	0.136	0.106
Cyclohexene	48	0.020	0.030	0.030	0.040	0.050							0.070	0.000	0.034	0.013
Cyclopentane	48	0.060	0.068	0.100	0.193	0.276							0.690	0.030	0.163	0.145
Cyclopentene	48	0.030	0.030	0.040	0.050	0.063							0.220	0.020	0.047	0.032
Decane	48	0.044	0.108	0.155	0.273	0.376							0.580	0.030	0.201	0.142
Dibromochloromethane	48	0.030	0.040	0.060	0.060	0.070							0.080	0.020	0.053	0.015
Dibromomethane	48	0.060	0.070	0.090	0.110	0.120							0.130	0.060	0.092	0.020
Dichloromethane	48	0.200	0.258	0.315	0.568	0.993							1.980	0.190	0.475	0.346
Dodecane	48	0.030	0.060	0.105	0.170	0.273							0.920	0.030	0.145	0.141
EDB	48	0.030	0.040	0.050	0.060	0.070							0.080	0.030	0.051	0.014
Ethane	48	1.432	2.285	2.819	3.260	4.803							7.441	1.155	3.035	1.262
Ethylbenzene	48	0.124	0.200	0.300	0.498	0.756							1.220	0.060	0.396	0.280
Ethyl bromide	48	0.020	0.020	0.030	0.030	0.040							0.040	0.010	0.029	0.008
Ethylene	48	0.559	0.752	1.030	1.622	2.403							3.600	0.406	1.302	0.745
Freon 11	48	1.470	1.550	1.600	1.703	1.830							1.880	1.240	1.627	0.131

Table 54: VOC Annual Statistics at Stouffville (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Freon113	48	2.184	2.438	2.645	2.920	3.395	4.840	2.140	2.808	0.596
Freon114	48	0.160	0.180	0.215	0.240	0.253	0.290	0.160	0.215	0.034
Freon12	48	2.498	2.600	2.735	2.878	3.015	3.200	2.030	2.744	0.216
Freon22	48	0.507	0.560	0.620	0.753	0.851	5.300	0.480	0.757	0.682
Heptane	48	0.104	0.178	0.265	0.403	0.613	1.610	0.080	0.335	0.271
Hexachlorobutadiene	48	0.000	0.000	0.035	0.060	0.073	0.160	0.000	0.034	0.037
Hexane	48	0.214	0.270	0.385	0.688	1.078	2.820	0.100	0.583	0.509
Hexylbenzene	48	0.060	0.080	0.135	0.250	0.280	0.380	0.040	0.161	0.087
Indane	48	0.020	0.040	0.050	0.070	0.103	0.150	0.020	0.059	0.029
Isobutane	48	0.275	0.520	0.870	1.345	2.673	10.040	0.220	1.521	2.039
iso-Butylbenzene	48	0.010	0.020	0.030	0.030	0.040	0.050	0.010	0.028	0.010
Isopentane	48	0.654	1.060	1.415	2.308	4.010	13.840	0.270	2.266	2.585
Isoprene	48	0.030	0.050	0.070	0.123	0.320	0.720	0.020	0.126	0.154
iso-Propylbenzene	48	0.024	0.030	0.040	0.063	0.080	0.120	0.020	0.051	0.023
m and p-Xylene	48	0.291	0.505	0.780	1.363	2.109	3.690	0.150	1.079	0.834
Methylcyclohexane	48	0.050	0.090	0.175	0.328	0.534	1.290	0.040	0.260	0.257
Methylcyclopentane	48	0.100	0.140	0.195	0.305	0.547	1.480	0.040	0.281	0.251
Naphthalene	22	0.000	0.000	0.000	0.720	1.178	1.310	0.000	0.314	0.528
n-Butylbenzene	48	0.020	0.030	0.040	0.050	0.063	0.080	0.010	0.039	0.017
Nonane	48	0.040	0.078	0.100	0.183	0.276	0.580	0.020	0.138	0.105
n-Propylbenzene	48	0.034	0.060	0.070	0.113	0.160	0.270	0.030	0.093	0.054
Octane	48	0.050	0.068	0.100	0.163	0.293	0.930	0.030	0.146	0.147
o-Xylene	48	0.104	0.170	0.240	0.423	0.625	1.070	0.050	0.332	0.243
p-Cymene	48	0.020	0.040	0.060	0.100	0.133	0.200	0.020	0.071	0.048
Pentane	48	0.400	0.638	0.835	1.478	2.231	6.430	0.180	1.262	1.203
Propane	48	0.965	1.343	2.340	3.803	5.764	7.400	0.700	2.837	1.745
Propylene	48	0.151	0.248	0.355	0.593	0.852	1.700	0.110	0.464	0.324
sec-Butylbenzene	48	0.010	0.020	0.030	0.040	0.050	0.060	0.010	0.031	0.013
Styrene	48	0.020	0.040	0.060	0.103	0.180	0.400	0.020	0.083	0.070
tert-Butylbenzene	48	0.000	0.020	0.020	0.030	0.030	0.040	0.000	0.020	0.010
Tetrachloroethylene	48	0.104	0.160	0.205	0.330	0.456	0.780	0.090	0.259	0.152
Toluene	48	0.647	1.130	1.520	2.615	4.006	6.960	0.260	2.073	1.511
trans-1,2-Dichloroethylene	48	0.010	0.020	0.030	0.033	0.040	0.050	0.010	0.029	0.009

Table 54: VOC Annual Statistics at Stouffville (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T					T I L E S			Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%							
trans-1,2-Dimethylcyclohexane	48	0.010	0.018	0.030	0.050	0.086				0.230	0.000	0.040	0.043
trans-1,3-Dichloropropene	48	0.000	0.000	0.020	0.020	0.030				0.110	0.000	0.014	0.018
trans-1,4-Dimethylcyclohexane	48	0.010	0.010	0.020	0.030	0.063				0.200	0.010	0.030	0.034
trans-2-Butene	48	0.030	0.070	0.095	0.150	0.248				1.730	0.020	0.179	0.311
trans-2-Heptene	48	0.000	0.000	0.010	0.020	0.040				0.040	0.000	0.014	0.013
trans-2-Hexene	48	0.014	0.020	0.030	0.030	0.053				0.160	0.000	0.033	0.025
trans-2-Pentene	48	0.014	0.050	0.070	0.100	0.176				0.980	0.010	0.112	0.161
trans-3-Heptene	48	0.000	0.000	0.010	0.020	0.020				0.040	0.000	0.011	0.011
trans-3-Methyl-2-pentene	48	0.000	0.000	0.020	0.030	0.040				0.120	0.000	0.023	0.022
trans-4-Methyl-2-pentene	48	0.000	0.000	0.000	0.000	0.000				0.030	0.000	0.001	0.005
Trichloroethylene	48	0.040	0.070	0.090	0.170	0.309				0.490	0.030	0.138	0.112
Undecane	48	0.044	0.098	0.140	0.223	0.353				0.550	0.030	0.174	0.115
Vinylchloride	48	0.010	0.010	0.020	0.020	0.030				0.030	0.010	0.019	0.007

Table 55: VOC Annual Statistics at Windsor (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%										
1,1,1-Trichloroethane	44	0.222	0.248	0.270	0.283	0.307							0.350	0.190	0.268	0.035
1,1,2,2-Tetrachloroethane	44	0.020	0.040	0.060	0.060	0.070							0.080	0.000	0.052	0.017
1,1,2-Trichloroethane	44	0.020	0.030	0.040	0.050	0.060							0.060	0.000	0.041	0.013
1,1-Dichloroethane	44	0.020	0.030	0.040	0.040	0.050							0.050	0.000	0.034	0.012
1,1-Dichloroethylene	44	0.030	0.040	0.060	0.070	0.080							0.090	0.000	0.058	0.020
1,2,3-Trimethylbenzene	44	0.090	0.130	0.165	0.220	0.287							0.620	0.080	0.192	0.103
1,2,4-Trichlorobenzene	44	0.000	0.058	0.085	0.110	0.120							0.150	0.000	0.077	0.044
1,2,4-Trimethylbenzene	44	0.268	0.450	0.560	0.790	0.948							2.510	0.190	0.682	0.431
1,2-Dichlorobenzene	44	0.000	0.030	0.050	0.060	0.067							0.080	0.000	0.042	0.024
1,2-Dichloroethane	44	0.060	0.068	0.075	0.080	0.100							0.100	0.040	0.076	0.015
1,2-Dichloropropane	44	0.000	0.030	0.040	0.040	0.050							0.070	0.000	0.036	0.016
1,2-Diethylbenzene	44	0.020	0.030	0.035	0.040	0.050							0.070	0.020	0.037	0.012
1,3,5-Trimethylbenzene	44	0.083	0.148	0.200	0.260	0.334							0.850	0.060	0.229	0.184
1,3-Butadiene	44	0.080	0.100	0.120	0.170	0.227							0.440	0.040	0.143	0.079
1,3-Dichlorobenzene	44	0.000	0.030	0.040	0.060	0.060							0.080	0.000	0.040	0.013
1,3-Diethylbenzene	44	0.040	0.050	0.060	0.080	0.090							0.190	0.030	0.067	0.020
1,4-Dichlorobenzene	44	0.060	0.080	0.110	0.145	0.244							0.600	0.060	0.141	0.108
1,4-Dichlorobutane	44	0.000	0.000	0.000	0.000	0.000							0.670	0.000	0.017	0.101
1,4-Diethylbenzene	44	0.092	0.130	0.165	0.220	0.250							0.560	0.080	0.184	0.090
1-Butene/Isobutene	44	0.292	0.385	0.460	0.618	0.787							1.390	0.220	0.545	0.266
1-Butyne	44	0.000	0.000	0.020	0.030	0.030							0.040	0.000	0.017	0.014
1-Decene	44	0.000	0.000	0.050	0.070	0.080							0.750	0.000	0.063	0.119
1-Heptene	44	0.060	0.070	0.090	0.133	0.205							0.670	0.050	0.126	0.112
1-Hexene	44	0.102	0.138	0.165	0.220	0.288							0.750	0.090	0.199	0.119
1-Methylcyclohexene	44	0.022	0.040	0.050	0.070	0.077							0.100	0.020	0.053	0.021
1-Methylcyclopentene	44	0.030	0.050	0.060	0.080	0.107							0.300	0.030	0.074	0.053
1-Nonene	44	0.000	0.030	0.045	0.060	0.070							0.720	0.000	0.061	0.111
1-Octene	44	0.020	0.030	0.040	0.050	0.060							0.600	0.020	0.057	0.092
1-Pentene	44	0.092	0.120	0.155	0.185	0.306							0.740	0.080	0.191	0.130
1-Propyne	44	0.000	0.070	0.080	0.100	0.147							0.270	0.000	0.084	0.056
1-Undecene	31	0.000	0.000	0.000	0.045	0.060							1.130	0.000	0.059	0.208
2,2,3-Trimethylbutane	44	0.000	0.000	0.010	0.020	0.020							0.100	0.000	0.012	0.018
2,2,4-Trimethylpentane	44	0.190	0.240	0.340	0.475	0.744							1.590	0.150	0.424	0.282

Table 55: VOC Annual Statistics at Windsor (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2,5-Trimethylhexane	44	0.020	0.030	0.040	0.050	0.070	0.160	0.020	0.044	0.030
2,2-Dimethylbutane	44	0.113	0.158	0.210	0.243	0.297	0.700	0.100	0.228	0.120
2,2-Dimethylhexane	44	0.020	0.030	0.030	0.030	0.040	0.060	0.010	0.028	0.011
2,2-Dimethylpentane	44	0.030	0.040	0.050	0.060	0.077	0.140	0.020	0.053	0.023
2,2-Dimethylpropane	44	0.030	0.040	0.050	0.063	0.080	0.110	0.020	0.054	0.020
2,3,4-Trimethylpentane	44	0.062	0.100	0.130	0.180	0.268	0.630	0.050	0.160	0.110
2,3-Dimethylbutane	44	0.142	0.205	0.280	0.315	0.454	1.000	0.120	0.307	0.175
2,3-Dimethylpentane	44	0.103	0.150	0.205	0.273	0.350	0.790	0.070	0.238	0.143
2,4-Dimethylhexane	44	0.050	0.070	0.090	0.120	0.150	0.310	0.040	0.104	0.055
2,4-Dimethylpentane	44	0.060	0.100	0.120	0.160	0.241	0.530	0.060	0.148	0.095
2,5-Dimethylbenzaldehyde	41	0.000	0.000	0.000	0.000	0.000	0.042	0.000	0.003	0.009
2,5-Dimethylhexane	44	0.040	0.050	0.070	0.093	0.127	0.250	0.030	0.079	0.047
2-Ethyl-1-Butene	44	0.000	0.028	0.055	0.093	0.174	0.480	0.000	0.086	0.101
2-Ethyltoluene	44	0.090	0.130	0.165	0.223	0.267	0.690	0.060	0.191	0.112
2-Methyl-1-butene	44	0.110	0.150	0.195	0.300	0.397	0.970	0.100	0.253	0.172
2-Methyl-2-butene	44	0.082	0.120	0.170	0.293	0.365	0.810	0.040	0.224	0.162
2-Methylheptane	44	0.082	0.120	0.145	0.193	0.264	0.540	0.060	0.174	0.095
2-Methylhexane	44	0.193	0.248	0.340	0.418	0.641	1.280	0.140	0.397	0.235
2-Methylpentane	44	0.654	0.938	1.180	1.420	2.145	4.140	0.560	1.343	0.691
2-Pentanone / Isovaleraldehyde	41	0.000	0.080	0.126	0.196	0.246	0.461	0.000	0.138	0.099
3,6-Dimethyloctane	44	0.020	0.020	0.030	0.040	0.050	0.090	0.010	0.032	0.016
3-Ethyltoluene	44	0.176	0.288	0.365	0.510	0.621	1.710	0.110	0.442	0.286
3-Methyl-1-butene	31	0.025	0.040	0.050	0.070	0.110	0.190	0.020	0.065	0.041
3-Methyl-1-pentene	44	0.000	0.020	0.030	0.043	0.060	0.080	0.000	0.032	0.021
3-Methylheptane	44	0.072	0.100	0.130	0.170	0.257	0.530	0.060	0.156	0.093
3-Methylhexane	44	0.212	0.270	0.380	0.483	0.725	1.410	0.150	0.448	0.264
3-Methylpentane	44	0.406	0.610	0.770	1.088	1.718	2.880	0.380	0.995	0.631
4-Ethyltoluene	44	0.130	0.180	0.220	0.310	0.354	0.880	0.090	0.257	0.142
4-Methyl-1-pentene	44	0.000	0.020	0.030	0.050	0.060	0.130	0.000	0.037	0.029
4-Methylheptane	44	0.030	0.050	0.060	0.080	0.117	0.230	0.020	0.070	0.041
Acetaldehyde	41	1.162	1.350	1.651	2.055	2.620	5.606	1.049	1.856	0.816
Acetone	41	1.888	2.438	3.401	5.129	6.876	11.315	1.566	4.000	2.085
Acetylene	44	0.722	1.165	1.838	2.576	3.145	3.671	0.44	1.907	0.915

Table 55: VOC Annual Statistics at Windsor (2001)

Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
Acrolein	41	0.035	0.065	0.085	0.126	0.207	0.398	0.000	0.109	0.082
Benzaldehyde	41	0.088	0.124	0.150	0.252	0.387	0.788	0.069	0.218	0.158
Benzene	44	0.649	0.990	1.245	2.008	3.352	4.470	0.500	1.692	1.029
Benzylchloride	44	0.030	0.040	0.050	0.050	0.060	0.104	0.020	0.047	0.014
Bromodichloromethane	44	0.040	0.060	0.080	0.100	0.127	0.140	0.030	0.082	0.030
Bromoform	41	0.030	0.050	0.060	0.060	0.070	0.070	0.020	0.053	0.013
Bromomethane	44	0.100	0.128	0.155	0.190	0.234	0.540	0.070	0.170	0.076
Butane	44	1.281	2.500	3.445	4.720	6.740	14.560	1.010	3.960	2.527
Carbontetrachloride	44	0.570	0.628	0.650	0.693	0.710	0.830	0.520	0.653	0.058
Chlorobenzene	44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloroethane	44	0.040	0.060	0.070	0.080	0.097	0.280	0.030	0.078	0.043
Chloroform	44	0.100	0.110	0.120	0.140	0.177	0.300	0.090	0.132	0.043
Chloromethane	44	1.012	1.070	1.130	1.220	1.320	1.770	0.980	1.165	0.138
cis-1,2-Dichloroethylene	44	0.012	0.028	0.040	0.040	0.050	0.050	0.000	0.034	0.012
cis-1,2-Dimethylcyclohexane	44	0.020	0.030	0.040	0.043	0.050	0.070	0.020	0.038	0.012
cis-1,3-Dichloropropene	44	0.000	0.000	0.000	0.000	0.010	0.150	0.000	0.006	0.023
cis-1,3-Dimethylcyclohexane	44	0.032	0.040	0.060	0.080	0.110	0.180	0.030	0.069	0.032
cis-1,4-t-1,3-Dimethylcyclohexane	44	0.020	0.020	0.025	0.040	0.040	0.080	0.010	0.030	0.015
cis-2-Butene	44	0.062	0.098	0.130	0.173	0.237	0.460	0.040	0.145	0.077
cis-2-Heptene	44	0.020	0.030	0.050	0.113	0.170	0.290	0.000	0.080	0.063
cis-2-Hexene	44	0.000	0.030	0.040	0.040	0.060	0.140	0.000	0.040	0.028
cis-2-Pentene	44	0.060	0.080	0.100	0.140	0.180	0.430	0.030	0.123	0.079
cis-3-Methyl-2-pentene	44	0.020	0.020	0.040	0.050	0.067	0.160	0.000	0.041	0.032
cis-4-Methyl-2-pentene	44	0.000	0.000	0.000	0.000	0.020	0.140	0.000	0.008	0.024
Crotonaldehyde	41	0.032	0.049	0.061	0.098	0.127	0.217	0.018	0.077	0.041
Cyclohexane	44	0.070	0.108	0.140	0.225	0.387	0.520	0.070	0.188	0.122
Cyclohexene	44	0.003	0.030	0.040	0.050	0.050	0.120	0.000	0.041	0.021
Cyclopentane	44	0.112	0.160	0.205	0.303	0.370	0.740	0.090	0.242	0.176
Cyclopentene	44	0.030	0.040	0.050	0.070	0.100	0.200	0.030	0.064	0.037
Decane	44	0.102	0.170	0.230	0.333	0.430	0.780	0.080	0.267	0.149
Dibromochloromethane	44	0.030	0.048	0.060	0.070	0.070	0.080	0.010	0.054	0.016
Dibromomethane	44	0.060	0.080	0.090	0.110	0.120	0.130	0.030	0.094	0.021
Dichloromethane	44	0.230	0.280	0.345	0.470	0.627	1.720	0.220	0.430	0.291

Table 55: VOC Annual Statistics at Windsor (2001)
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

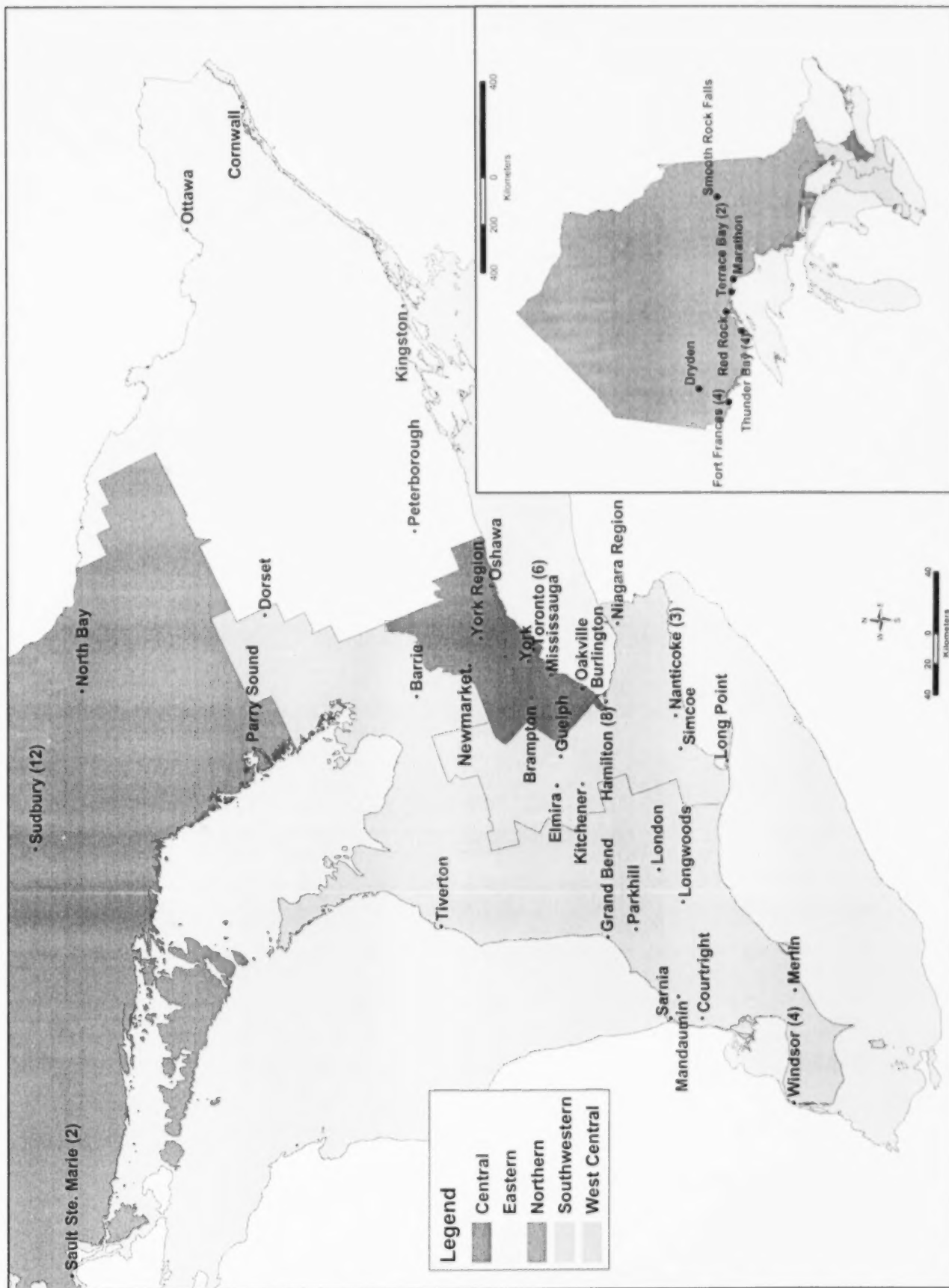
Compounds	No. of Samples	P E R C E N T I L E S					Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%				
Dodecane	44	0.092	0.148	0.200	0.335	0.417	0.690	0.060	0.242	0.137
EDB	44	0.022	0.040	0.050	0.070	0.077	0.080	0.000	0.053	0.018
Ethane	44	3.399	4.689	6.159	8.065	12.341	18.387	1.758	7.172	3.743
Ethylbenzene	44	0.278	0.398	0.595	0.725	0.954	1.880	0.190	0.643	0.355
Ethylbromide	44	0.012	0.028	0.030	0.040	0.040	0.060	0.000	0.031	0.011
Ethylene	44	1.079	1.703	2.154	2.860	4.635	8.348	0.874	2.647	1.678
Formaldehyde	41	1.377	1.771	2.137	3.080	3.569	9.595	1.237	2.605	1.446
Freon 11	44	1.455	1.578	1.660	1.790	1.837	2.180	1.360	1.671	0.150
Freon 13	44	0.632	0.690	0.730	0.750	0.777	0.900	0.600	0.718	0.056
Freon 14	44	0.170	0.188	0.220	0.240	0.257	0.280	0.130	0.216	0.034
Freon 12	44	2.319	2.653	2.815	2.953	3.094	3.500	2.190	2.793	0.269
Freon 22	44	0.552	0.630	0.685	0.783	0.878	1.660	0.460	0.732	0.196
Heptane	44	0.212	0.280	0.370	0.493	0.671	1.190	0.170	0.428	0.222
Hexachlorobutadiene	44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hexanal	41	0.098	0.128	0.191	0.482	0.732	1.608	0.095	0.341	0.337
Hexane	44	0.488	0.715	1.015	1.583	2.508	5.290	0.400	1.359	1.029
Hexylbenzene	44	0.060	0.110	0.150	0.233	0.267	0.320	0.040	0.165	0.076
Indane	44	0.060	0.080	0.105	0.163	0.278	0.820	0.050	0.148	0.133
Isobutane	44	0.712	1.155	1.540	2.258	2.812	4.700	0.690	1.749	0.881
iso-Butylbenzene	44	0.020	0.030	0.040	0.040	0.050	0.080	0.020	0.036	0.013
Isopentane	44	1.606	2.188	2.930	3.665	5.451	11.170	1.320	3.405	2.132
Isoprene	44	0.052	0.070	0.095	0.283	0.372	1.070	0.050	0.181	0.193
iso-Propylbenzene	44	0.040	0.050	0.070	0.090	0.107	0.190	0.030	0.074	0.030
m and p-Xylene	44	0.698	1.098	1.550	1.860	2.770	5.610	0.450	1.735	1.061
MEK	41	0.530	0.831	1.037	1.458	2.505	3.888	0.503	1.307	0.811
Methylcyclohexane	44	0.090	0.138	0.175	0.243	0.341	0.610	0.080	0.213	0.122
Methylcyclopentane	44	0.192	0.298	0.420	0.575	0.881	1.590	0.170	0.509	0.323
MIBK	41	0.050	0.096	0.143	0.219	0.348	0.497	0.046	0.178	0.119
m-Tolualdehyde	41	0.000	0.016	0.026	0.036	0.045	0.059	0.000	0.024	0.017
Naphthalene	23	0.000	0.000	0.000	1.450	2.332	4.240	0.000	0.858	1.189
n-Butylbenzene	44	0.030	0.040	0.055	0.070	0.077	0.150	0.030	0.058	0.025
Nonane	44	0.090	0.128	0.170	0.233	0.308	0.520	0.080	0.191	0.101
n-Propylbenzene	44	0.080	0.118	0.140	0.193	0.227	0.570	0.060	0.166	0.092

Table 55: VOC Annual Statistics at Windsor (2001)

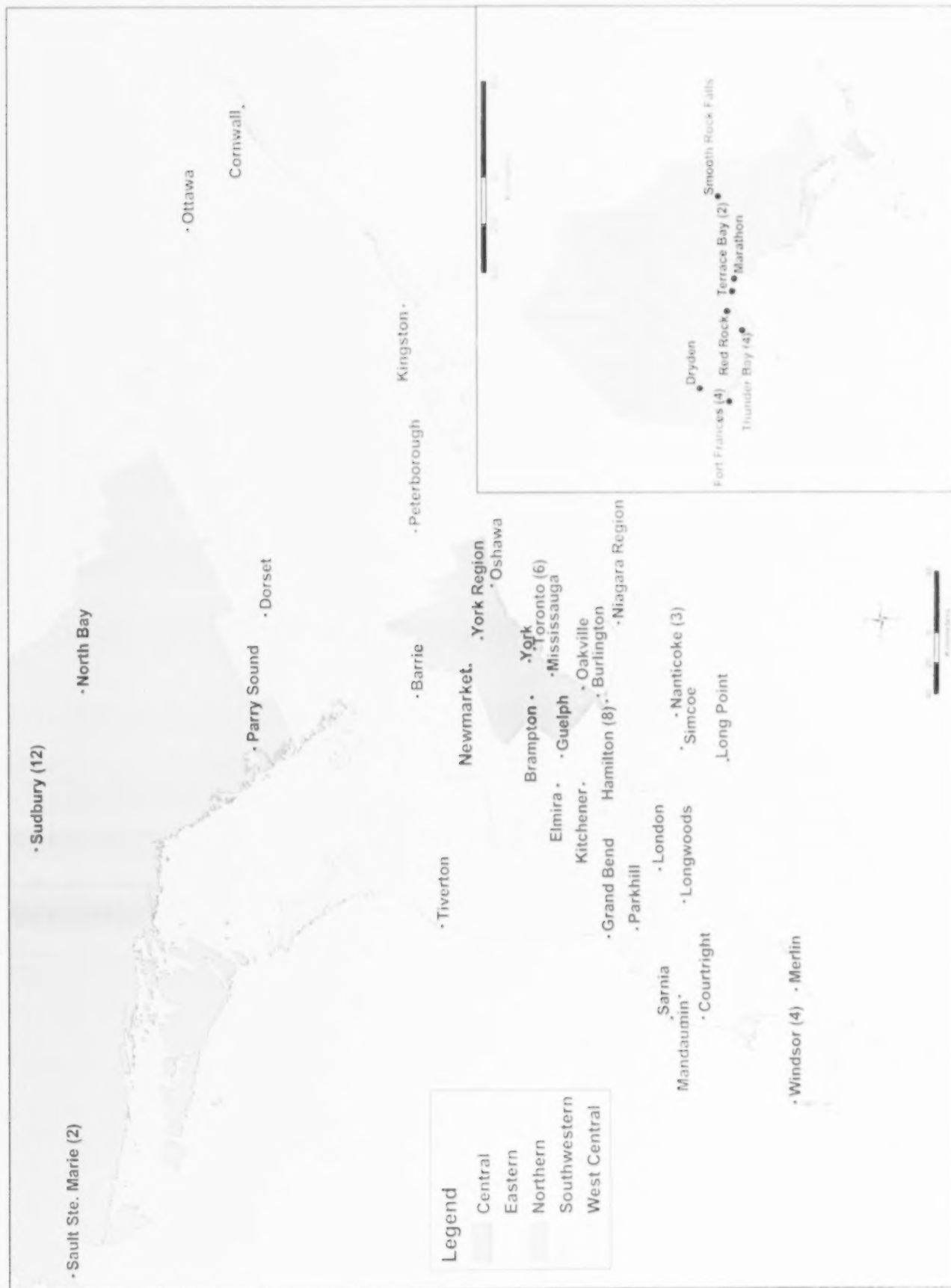
Unit: micrograms per cubic metre ($\mu\text{g}/\text{m}^3$)

Compounds	No. of Samples	P	E	R	C	E	N	T	I	L	E	S	Max	Min	Mean	Std.Dev.
		5%	25%	50%	75%	90%										
Octane	44	0.100	0.120	0.180	0.240	0.324							0.560	0.090	0.202	0.106
o-Tolualdehyde	41	0.000	0.000	0.000	0.000	0.000							0.039	0.000	0.002	0.008
o-Xylene	44	0.253	0.360	0.485	0.610	0.828							1.840	0.160	0.558	0.335
p-Cymene	44	0.052	0.090	0.165	0.318	0.451							0.910	0.040	0.237	0.210
Pentane	44	0.824	1.213	1.585	1.993	2.888							5.320	0.700	1.823	0.998
Propane	44	2.229	3.565	5.105	7.708	9.827							19.420	1.410	6.080	3.712
Propionaldehyde	41	0.316	0.353	0.398	0.536	0.683							1.513	0.241	0.479	0.218
Propylene	44	0.392	0.565	0.690	1.105	2.202							3.520	0.260	1.031	0.835
p-Tolualdehyde	41	0.000	0.000	0.019	0.037	0.068							0.111	0.000	0.026	0.029
sec-Butylbenzene	44	0.020	0.030	0.040	0.050	0.050							0.090	0.020	0.039	0.014
Styrene	44	0.070	0.090	0.150	0.190	0.240							0.320	0.050	0.150	0.068
tert-Butylbenzene	44	0.000	0.020	0.020	0.030	0.030							0.040	0.000	0.021	0.011
Tetrachloroethylene	44	0.142	0.200	0.270	0.465	0.645							1.770	0.100	0.376	0.314
Toluene	44	1.217	1.870	2.545	3.733	5.545							10.810	1.060	3.179	2.123
trans-1,2-Dichloroethylene	44	0.020	0.020	0.030	0.040	0.040							0.050	0.000	0.030	0.010
trans-1,2-Dimethylcyclohexane	44	0.020	0.030	0.045	0.060	0.080							0.130	0.020	0.049	0.026
trans-1,3-Dichloropropene	44	0.000	0.000	0.005	0.020	0.030							0.160	0.000	0.015	0.026
trans-1,4-Dimethylcyclohexane	44	0.010	0.020	0.030	0.040	0.050							0.100	0.010	0.032	0.018
trans-2-Butene	44	0.060	0.098	0.145	0.200	0.264							0.530	0.040	0.159	0.091
trans-2-Heptene	44	0.000	0.010	0.020	0.030	0.040							0.050	0.000	0.020	0.015
trans-2-Hexene	44	0.022	0.030	0.040	0.060	0.087							0.210	0.020	0.053	0.038
trans-2-Pentene	44	0.070	0.090	0.125	0.165	0.257							0.720	0.030	0.159	0.132
trans-3-Heptene	44	0.000	0.000	0.020	0.020	0.030							0.070	0.000	0.017	0.017
trans-3-Methyl-2-pentene	44	0.000	0.028	0.030	0.043	0.060							0.160	0.000	0.036	0.031
trans-4-Methyl-2-pentene	44	0.000	0.000	0.000	0.000	0.020							0.030	0.000	0.004	0.008
Trichloroethylene	44	0.073	0.108	0.140	0.170	0.180							0.300	0.060	0.142	0.049
Undecane	44	0.102	0.150	0.220	0.280	0.418							0.620	0.090	0.243	0.128
Valeraldehyde	41	0.074	0.103	0.138	0.247	0.311							0.839	0.061	0.194	0.146
Vinylchloride	44	0.010	0.020	0.020	0.030	0.030							0.030	0.010	0.021	0.007

Map 1: Locations of Continuous Air Monitoring Stations in Ontario (2001)



Map 1: Locations of Continuous Air Monitoring Stations in Ontario (2001)



Map 2: Locations of Noncontinuous Air Monitoring Stations in Ontario (2001)



Map 3: Locations of Meteorological Stations in Ontario (2001)



